

U.S. Census Bureau News

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

FOR IMMEDIATE RELEASE
FRIDAY, NOVEMBER 2, 2012, AT 10:00 A.M. EDT

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M3-2 (12)-9
CB12-207

Full Report on Manufacturers' Shipments, Inventories and Orders September 2012

Summary

New orders for manufactured goods in September, up two of the last three months, increased \$22.0 billion or 4.8 percent to \$475.4 billion, the U.S. Census Bureau reported today. This followed a 5.1 percent August decrease. Excluding transportation, new orders increased 1.4 percent.

Shipments, up two of the last three months, increased \$4.1 billion or 0.9 percent to \$481.3 billion. This followed a 0.2 percent August decrease.

Unfilled orders, up three of the last four months, increased \$1.7 billion or 0.2 percent to \$981.0 billion. This followed a 1.7 percent August decrease. The unfilled orders-to-shipments ratio was 6.24, down from 6.28 in August.

Inventories, up three consecutive months, increased \$3.7 billion or 0.6 percent to \$615.7 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 inventories-to-shipments ratio was 1.28, unchanged from August.

New Orders

New orders for manufactured durable goods in September, up four of the last five months, increased \$19.5 billion or 9.8 percent to \$218.2 billion, revised from the previously published 9.9 percent increase. This followed a 13.1 percent August decrease.

Transportation equipment, up five of the last six months, had the largest increase, \$16.6 billion or 31.3 percent to \$69.4 billion.

New orders for manufactured nondurable goods increased \$2.4 billion or 1.0 percent to \$257.2 billion.

Shipments

Shipments of manufactured durable goods in September, up two of the last three months, increased \$1.7 billion or 0.8 percent to \$224.1 billion, unchanged from the previously published increase. This followed a 2.9 percent August decrease.

Transportation equipment, also up two of the last

three months, had the largest increase, \$0.7 billion or 1.1 percent to \$64.6 billion.

Shipments of manufactured nondurable goods, up three consecutive months, increased \$2.4 billion or 1.0 percent to \$257.2 billion. This followed a 2.2 percent August increase. Petroleum and coal products, also up three consecutive months, drove the increase, up \$2.8 billion or 3.7 percent to \$77.8 billion.

Unfilled Orders

Unfilled orders for manufactured durable goods in September, up three of the last four months, increased \$1.7 billion or 0.2 percent to \$981.0 billion, unchanged from the previously published decrease. This followed a 1.7 percent August decrease.

Transportation equipment, also up three of the last four months, had the largest increase, \$4.8 billion or 0.8 percent to \$574.4 billion.

Inventories

Inventories of manufactured durable goods in September, up thirty-two of the last thirty-three months, increased \$0.9 billion or 0.3 percent to \$372.9 billion, unchanged from the previously published increase. This was at the highest level since the series was first published on a NAICS basis and followed a 0.6 percent August increase.

Transportation equipment, also up thirty-two of the last thirty-three months, had the largest increase, \$0.4 billion or 0.4 percent to \$112.6 billion.

Inventories of manufactured nondurable goods, up three consecutive months, increased \$2.8 billion or 1.2 percent to \$242.8 billion. This followed a 0.7 percent August increase. Petroleum and coal products, also up three consecutive months, led the increase, up \$2.2 billion or 4.2 percent to \$55.9 billion.

By stage of fabrication, September materials and supplies increased 0.4 percent in durable goods and 0.6 percent in nondurable goods. Work in process increased 0.3 percent in durable goods and 3.2 percent in nondurable goods. Finished goods decreased slightly in durable goods and increased 0.8 percent in nondurable goods.

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. 2012 ²	Aug. 2012 ²	July 2012	Aug. - Sept.	July - Aug.	June - July	Sept. 2012 ²	Aug. 2012 ²	July 2012	Sept. 2011	2012 ²	2011	Percent 2012/ 2011
All manufacturing industries.....	481,251	477,115	478,169	0.9	-0.2	1.9	485,699	497,536	458,206	478,000	4,296,090	4,108,996	4.6
Excluding transportation.....	416,648	413,221	408,712	0.8	1.1	0.9	418,429	429,483	405,608	415,895	3,724,083	3,594,302	3.6
Excluding defense.....	470,442	466,253	467,683	0.9	-0.3	2.1	473,656	486,776	448,981	466,093	4,199,837	4,007,747	4.8
With unfilled orders.....	157,231	156,043	159,749	0.8	-2.3	1.5	162,772	162,728	145,927	160,303	1,419,097	1,326,148	7.0
Durable goods industries.....	224,089	222,397	229,046	0.8	-2.9	1.8	230,087	232,675	209,316	224,376	2,015,325	1,873,550	7.6
Wood products.....	6,139	6,219	6,106	-1.3	1.9	0.4	6,306	6,729	6,362	6,029	55,700	52,236	6.6
Nonmetallic mineral products.....	8,111	8,133	8,082	-0.3	0.6	0.6	8,310	9,216	8,460	8,429	73,421	70,656	3.9
Primary metals.....	28,383	28,029	28,153	1.3	-0.4	0.7	27,840	29,575	27,549	26,843	261,665	225,992	15.8
Iron and steel mills.....	10,864	11,000	10,945	-1.2	0.5	1.3	10,344	11,380	10,438	11,476	104,167	105,393	-1.2
Aluminum and nonferrous metals.....	15,738	15,263	15,416	3.1	-1.0	0.4	15,698	16,361	15,437	13,584	140,816	105,970	32.9
Ferrous metal foundries.....	1,781	1,766	1,792	0.8	-1.5	-0.7	1,798	1,834	1,674	1,783	16,682	14,629	14.0
Fabricated metal products.....	27,290	27,239	27,167	0.2	0.3	-0.7	28,034	29,531	26,567	28,319	249,361	237,927	4.8
Machinery.....	32,432	32,458	32,819	-0.1	-1.1	-1.4	32,751	33,022	31,577	32,079	290,672	265,630	9.4
Farm machinery.....	1,599	1,614	1,870	-0.9	-1.3	-5.0	1,488	1,461	1,862	2,460	20,232	22,950	-11.8
Construction machinery.....	5,687	5,516	5,440	3.1	1.4	8.3	5,831	5,981	5,575	4,089	42,497	31,526	34.8
Mining, oil field, and gas field machinery.....	2,109	2,126	2,186	-0.8	-2.7	3.3	2,128	2,083	2,078	2,006	18,685	17,648	5.9
Industrial machinery.....	3,388	3,474	3,484	-2.5	-0.3	2.6	3,718	3,234	3,179	3,445	29,032	26,106	11.2
Photographic equipment.....	628	649	644	-3.2	0.8	-8.1	666	706	564	735	5,803	5,959	-2.6
Ventilation, heating, air-conditioning, and refrigeration equipment.....	3,086	3,121	3,177	-1.1	-1.8	1.6	3,210	3,482	3,392	3,113	28,855	27,304	5.7
Metalworking machinery.....	2,498	2,498	2,528	0.0	-1.2	-0.3	2,509	2,599	2,397	2,226	21,704	18,073	20.1
Turbines, generators, and other power transmission equipment.....	3,441	3,418	3,479	0.7	-1.8	-20.1	3,293	3,415	3,255	4,066	32,937	30,944	6.4
Material handling equipment.....	2,878	2,820	2,818	2.1	0.1	1.7	2,831	3,018	2,655	2,714	25,023	22,483	11.3
Computers and electronic products ²	28,039	27,439	28,433	2.2	-3.5	-2.0	29,925	26,685	28,693	30,886	251,338	252,994	-0.7
Computers.....	1,143	980	986	16.6	-0.6	-13.0	1,334	879	1,046	1,871	10,275	13,373	-23.2
Computer storage devices.....	720	822	1,077	-12.4	-23.7	35.1	1,014	740	815	1,078	6,909	5,837	18.4
Other peripheral equipment.....	922	867	873	6.3	-0.7	-2.7	1,171	776	613	1,212	7,695	7,539	2.1
Nondefense communications equipment.....	2,633	2,721	2,644	-3.2	2.9	-1.5	3,155	2,599	2,324	3,201	23,834	24,701	-3.5
Defense communications equipment.....	340	364	352	-6.6	3.4	-11.1	380	361	316	674	3,511	4,558	-23.0
Audio and video equipment.....	267	244	257	9.4	-5.1	1.6	251	195	217	211	1,945	1,841	5.6
Electronic components.....	3,484	3,540	3,563	-1.6	-0.6	-1.4	3,699	3,692	3,245	3,796	32,069	32,571	-1.5
Nondefense search and navigation equipment.....	1,318	1,302	1,360	1.2	-4.3	8.2	1,449	1,313	1,238	1,397	11,746	11,648	0.8
Defense search and navigation equipment.....	2,998	2,889	2,993	3.8	-3.5	-0.1	3,231	2,881	2,638	3,189	26,196	26,605	-1.5
Electromedical, measuring, and control instruments.....	6,102	6,039	6,160	1.0	-2.0	-9.5	6,789	5,792	5,613	7,741	59,771	61,400	-2.7
Electrical equipment, appliances, and components.....	9,819	9,887	9,947	-0.7	-0.6	-0.5	10,326	10,336	9,424	10,652	89,849	87,537	2.6
Electric lighting equipment.....	885	900	894	-1.7	0.7	-0.4	919	920	874	971	8,085	8,462	-4.5
Household appliances.....	1,595	1,571	1,557	1.5	0.9	1.4	1,645	1,621	1,427	1,577	14,117	13,496	4.6
Electrical equipment.....	3,032	3,059	3,102	-0.9	-1.4	-1.4	3,157	3,157	2,927	3,484	28,276	27,366	3.3
Batteries.....	991	1,003	981	-1.2	2.2	0.4	1,084	1,079	896	1,079	8,426	8,061	4.5
Transportation equipment.....	64,603	63,894	69,457	1.1	-8.0	8.0	67,270	68,053	52,598	62,105	572,007	514,694	11.1
Automobiles.....	8,828	8,552	8,796	3.2	-2.8	-3.3	8,914	9,467	7,163	7,534	78,156	62,453	25.1
Light trucks and utility vehicles.....	14,030	14,211	16,098	-1.3	-11.7	15.1	14,179	15,651	10,448	12,130	120,470	103,060	16.9
Heavy duty trucks.....	2,190	2,289	2,458	-4.3	-6.9	-6.3	2,201	2,397	2,253	2,620	22,530	19,305	16.7
Motor vehicle bodies, parts, and trailers.....	18,310	18,464	21,927	-0.8	-15.8	20.1	18,278	20,329	15,829	18,703	169,228	161,610	4.7
Nondefense aircraft and parts.....	10,335	9,177	9,757	12.6	-5.9	6.3	11,356	9,058	7,989	9,371	83,583	68,277	22.4
Defense aircraft and parts.....	4,452	4,587	4,331	-2.9	5.9	-6.8	5,204	4,537	3,661	4,798	40,833	40,703	0.3
Ships and boats.....	2,162	2,277	2,220	-5.1	2.6	-1.6	2,219	2,222	2,053	2,313	20,035	20,140	-0.5
Furniture and related products.....	5,366	5,373	5,325	-0.1	0.9	0.2	5,388	5,854	5,350	5,271	48,555	46,834	3.7
Miscellaneous durable goods.....	13,907	13,726	13,557	1.3	1.2	-0.7	13,937	13,674	12,736	13,763	122,757	119,050	3.1
Nondurable goods industries.....	257,162	254,718	249,123	1.0	2.2	1.9	255,612	264,861	248,890	253,624	2,280,765	2,235,446	2.0
Food products.....	60,758	60,712	60,734	0.1	0.0	0.9	62,088	61,843	58,666	61,955	538,986	524,636	2.7
Grain and oilseed milling.....	8,280	8,329	8,168	-0.6	2.0	1.5	8,164	8,717	7,939	8,094	72,139	69,925	3.2
Dairy products.....	8,164	8,177	8,092	-0.2	1.1	0.4	8,311	8,494	8,070	9,142	73,956	77,879	-5.0
Meat, poultry, and seafood products.....	16,556	16,485	16,732	0.4	-1.5	-0.1	16,560	16,756	16,618	16,750	150,070	146,931	2.1
Beverage and tobacco products.....	12,298	12,952	12,649	-5.0	2.4	3.5	12,201	13,545	12,595	12,101	111,799	105,292	6.2
Beverages.....	9,201	9,179	9,275	0.2	-1.0	1.7	9,104	9,772	9,221	8,662	81,702	75,387	8.4
Tobacco.....	3,097	3,773	3,374	-17.9	11.8	9.1	3,097	3,773	3,374	3,439	30,097	29,905	0.6
Textile mills.....	2,442	2,466	2,468	-1.0	-0.1	0.7	2,481	2,621	2,379	2,574	22,674	23,201	-2.3
Textile products.....	1,966	1,983	1,957	-0.9	1.3	1.2	1,966	2,078	1,957	1,906	17,913	17,070	4.9
Apparel.....	1,253	1,304	1,294	-3.9	0.8	4.3	1,309	1,459	1,284	1,346	11,114	10,549	5.4
Leather and allied products.....	437	440	448	-0.7	-1.8	-1.1	478	464	443	501	4,130	4,124	0.1
Paper products.....	13,814	13,871	13,899	-0.4	-0.2	0.2	13,847	14,524	13,974	14,328	125,719	128,318	-2.0
Pulp, paper, and paperboard mills.....	6,459	6,488	6,483	-0.4	0.1	0.0	6,531	6,800	6,561	6,785	58,995	60,334	-2.2
Paperboard containers.....	4,081	4,067	4,101	0.3	-0.8	0.3	4,023	4,266	4,180	4,157	36,916	37,880	-2.5
Printing.....	6,676	6,692	6,625	-0.2	1.0	0.6	6,974	6,939	6,233	7,206	59,808	61,117	-2.1
Petroleum and coal products.....	77,754	74,953	69,843	3.7	7.3	4.1	76,027	79,142	72,919	69,984	656,462	626,582	4.8
Petroleum refineries.....	73,645	70,830	65,841	4.0	7.6	4.6	71,502	74,046	68,287	65,279	617,403	589,737	4.7
Chemical products.....	62,440	62,095	61,909	0.6	0.3	1.4	61,226	63,906	61,136	64,244	572,715	581,622	-1.5
Pesticides, fertilizers, and other agricultural chemicals.....	3,262	3,062	3,033	6.5	1.0	13.5	2,796	2,672	2,506	2,658	29,632	28,059	5.6
Pharmaceuticals and medicines.....	13,454	13,684	14,088	-1.7	-2.9	-0.1	12,934	13,965	13,754	14,865	126,444	134,991	-6.3
Paints, coatings, and adhesives.....	2,750	2,733	2,803	0.6	-2.5	-1.8	2,725	2,985	2,970	2,893	26,443	24,699	7.1
Plastics and rubber products.....	17,324	17,250	17,297	0.4	-0.3	0.2	17,015	18,340	17,304	17,479	159,445	152,935	4.3

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

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

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

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

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

Industry	Seasonally Adjusted						Not Seasonally Adjusted						
	Monthly			Percent Change			Monthly				Year to date		
	Sept. 2012 ^P	Aug. 2012 ^F	July 2012	Aug. - Sept.	July - Aug.	June - July	Sept. 2012 ^P	Aug. 2012 ^F	July 2012	Sept. 2011	2012 ^P	2011	Percent 2012/ 2011
All manufacturing industries ²	475,386	453,411	477,711	4.8	-5.1	2.6	479,091	468,249	454,058	477,670	4,238,258	4,102,376	3.3
Excluding transportation ²	405,950	400,540	397,922	1.4	0.7	0.7	407,120	413,115	391,199	412,156	3,657,888	3,567,194	2.5
Excluding defense ²	464,175	444,507	465,525	4.4	-4.5	3.2	466,688	461,087	444,784	464,432	4,143,397	3,993,267	3.8
With unfilled orders ²	158,937	139,495	166,941	13.9	-16.4	3.4	163,009	140,379	151,947	165,995	1,424,179	1,378,972	3.3
Durable goods industries ²	218,224	198,693	228,588	9.8	-13.1	3.3	223,479	203,388	205,168	224,046	1,957,493	1,866,930	4.9
Primary metals.....	27,968	26,908	27,588	3.9	-2.5	2.2	26,638	28,172	26,955	26,419	255,550	225,457	13.3
Iron and steel mills.....	10,587	10,183	10,518	4.0	-3.2	0.5	9,447	10,431	10,065	11,175	99,913	102,789	-2.8
Aluminum and nonferrous metals.....	15,690	15,033	15,227	4.4	-1.3	3.0	15,542	15,987	15,164	13,531	139,002	107,580	29.2
Ferrous metal foundries.....	1,691	1,692	1,843	-0.1	-8.2	5.7	1,649	1,754	1,726	1,713	16,635	15,088	10.3
Fabricated metal products.....	27,220	27,421	27,662	-0.7	-0.9	-0.2	27,518	28,888	26,638	28,755	254,379	243,843	4.3
Machinery.....	30,345	27,778	29,584	9.2	-6.1	-6.1	29,802	26,921	28,237	32,732	282,092	290,380	-2.9
Construction machinery.....	4,998	4,493	3,948	11.2	13.8	-4.9	4,927	4,263	3,780	4,866	37,399	36,310	3.0
Mining, oil field, and gas field machinery.....	1,903	1,414	1,491	34.6	-5.2	-40.2	1,661	1,319	1,624	2,070	17,011	24,543	-30.7
Industrial machinery.....	3,313	3,468	3,165	-4.5	9.6	1.1	3,451	3,082	2,949	3,046	28,749	26,387	9.0
Photographic equipment.....	638	639	656	-0.2	-2.6	-9.1	746	655	608	803	6,315	6,195	1.9
Ventilation, heating, air-conditioning, and refrigeration equipment.....	3,149	1,187	3,487	165.3	-66.0	2.3	3,011	1,269	3,768	2,637	28,854	28,632	0.8
Metalworking machinery.....	2,450	2,356	2,330	4.0	1.1	-0.3	2,428	2,378	2,109	2,306	21,338	19,639	8.7
Turbines, generators, and other power transmission equipment.....	2,714	2,587	2,658	4.9	-2.7	-28.8	2,576	2,483	2,402	4,416	31,464	35,958	-12.5
Material handling equipment.....	2,787	2,953	2,817	-5.6	4.8	3.9	2,924	3,119	2,479	2,986	25,660	23,508	9.2
Computers and electronic products ²	20,201	20,428	21,280	-1.1	-4.0	-2.1	23,862	19,140	18,482	26,393	194,483	192,831	0.9
Computers.....	1,169	1,035	900	12.9	15.0	-21.5	1,360	934	960	1,863	10,308	13,259	-22.3
Nondefense communications equipment.....	2,543	2,625	2,868	-3.1	-8.5	-7.3	3,509	2,650	2,459	3,927	27,096	24,103	12.4
Defense communications equipment.....	297	356	395	-16.6	-9.9	38.6	428	283	280	599	3,117	3,934	-20.8
Electronic components.....	3,502	3,474	3,521	0.8	-1.3	2.1	3,643	3,699	3,283	3,843	32,140	32,821	-2.1
Nondefense search and navigation equipment.....	1,649	1,684	1,565	-2.1	7.6	-6.6	1,830	1,573	1,398	1,648	15,147	12,186	24.3
Defense search and navigation equipment.....	2,626	2,960	3,090	-11.3	-4.2	9.0	2,854	2,641	2,295	3,209	25,811	25,425	1.5
Electromedical, measuring, and control instruments.....	5,965	5,846	6,216	2.0	-6.0	-8.3	7,195	5,130	5,702	8,309	59,842	62,409	-4.1
Electrical equipment, appliances, and components.....	9,465	9,815	9,566	-3.6	2.6	-2.2	9,714	10,221	9,069	10,854	89,667	90,244	-0.6
Electric lighting equipment.....	865	875	884	-1.1	-1.0	0.2	969	893	836	1,110	8,143	8,737	-6.8
Household appliances.....	1,600	1,568	1,516	2.0	3.4	-1.6	1,641	1,631	1,441	1,586	14,111	13,589	3.8
Electrical equipment.....	2,879	3,064	3,013	-6.0	1.7	-0.3	2,890	3,092	2,896	3,286	28,297	28,392	-0.3
Transportation equipment.....	69,436	52,871	79,789	31.3	-33.7	13.2	71,971	55,134	62,859	65,514	580,370	535,182	8.4
Motor vehicle bodies, parts, and trailers.....	18,158	18,445	21,883	-1.6	-15.7	20.5	18,175	20,077	15,717	18,772	167,797	161,160	4.1
Nondefense aircraft and parts.....	14,656	533	19,199	2,649.7	-97.2	51.1	15,602	30	18,564	11,007	98,518	85,114	15.7
Defense aircraft and parts.....	5,711	4,490	4,556	27.2	-1.4	-11.4	6,499	3,236	3,560	4,077	41,994	42,777	-1.8
Ships and boats.....	1,725	1,347	2,447	28.1	-45.0	-28.8	1,611	1,065	1,849	3,094	15,699	23,283	-32.6
Furniture and related products.....	5,439	5,397	5,373	0.8	0.4	-0.1	5,428	5,296	5,369	5,160	49,130	47,130	4.2
Nondurable goods industries.....	257,162	254,718	249,123	1.0	2.2	1.9	255,612	264,861	248,890	253,624	2,280,765	2,235,446	2.0

^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				Percent Change Sept. 12/11
	Monthly			Percent Change			Monthly				
	Sept. 2012 ^p	Aug. 2012 ^r	July 2012	Aug. - Sept.	July - Aug.	June - July	Sept. 2012 ^p	Aug. 2012 ^r	July 2012	Sept. 2011	
All manufacturing industries ²	981,010	979,304	995,852	0.2	-1.7	0.7	971,005	970,768	993,117	929,098	4.5
Excluding transportation ²	406,618	409,745	415,270	-0.8	-1.3	-0.8	401,976	406,440	415,870	394,341	1.9
Excluding defense ²	790,893	789,589	804,179	0.2	-1.8	0.7	782,882	783,005	801,756	736,285	6.3
Durable goods industries ²	981,010	979,304	995,852	0.2	-1.7	0.7	971,005	970,768	993,117	929,098	4.5
Primary metals.....	31,267	31,682	32,803	-1.3	-3.4	-1.7	29,887	31,089	32,492	32,615	-8.4
Iron and steel mills.....	17,085	17,362	18,179	-1.6	-4.5	-2.3	16,165	17,062	18,011	17,950	-9.9
Aluminum and nonferrous metals.....	10,787	10,835	11,065	-0.4	-2.1	-1.7	10,412	10,568	10,942	11,574	-10.0
Ferrous metal foundries.....	3,395	3,485	3,559	-2.6	-2.1	1.5	3,310	3,459	3,539	3,091	7.1
Fabricated metal products.....	82,976	83,046	82,864	-0.1	0.2	0.6	82,389	82,905	83,548	77,316	6.6
Machinery.....	127,830	129,917	134,597	-1.6	-3.5	-2.3	125,882	128,831	134,932	127,676	-1.4
Construction machinery.....	23,012	23,701	24,724	-2.9	-4.1	-5.7	21,721	22,625	24,343	25,205	-13.8
Mining, oil field, and gas field machinery.....	18,524	18,730	19,442	-1.1	-3.7	-3.5	18,517	18,984	19,748	20,496	-9.7
Industrial machinery.....	8,350	8,425	8,431	-0.9	-0.1	-3.6	8,113	8,380	8,532	8,875	-8.6
Photographic equipment.....	2,885	2,875	2,885	0.3	-0.3	0.4	2,974	2,894	2,945	2,764	7.6
Ventilation, heating, air-conditioning, and refrigeration equipment.....	8,425	8,362	10,296	0.8	-18.8	3.1	8,389	8,588	10,801	8,337	0.6
Metalworking machinery.....	7,108	7,156	7,298	-0.7	-1.9	-2.6	6,942	7,023	7,244	7,067	-1.8
Turbines, generators, and other power transmission equipment.....	26,151	26,878	27,709	-2.7	-3.0	-2.9	26,024	26,741	27,673	23,695	9.8
Material handling equipment.....	8,304	8,395	8,262	-1.1	1.6	0.0	8,370	8,277	8,176	7,843	6.7
Computers and electronic products ²	136,472	136,739	136,594	-0.2	0.1	0.4	136,171	135,389	135,996	130,193	4.6
Computers.....	1,189	1,163	1,108	2.2	5.0	-7.2	1,189	1,163	1,108	1,150	3.4
Nondefense communications equipment.....	28,437	28,527	28,623	-0.3	-0.3	0.8	28,649	28,295	28,244	24,854	15.3
Defense communications equipment.....	5,172	5,215	5,223	-0.8	-0.2	0.8	5,180	5,132	5,210	6,326	-18.1
Electronic components.....	13,121	13,103	13,169	0.1	-0.5	-0.3	13,139	13,195	13,188	13,157	-0.1
Nondefense search and navigation equipment.....	13,451	13,120	12,738	2.5	3.0	1.6	13,478	13,097	12,837	9,648	39.7
Defense search and navigation equipment.....	45,980	46,352	46,281	-0.8	0.2	0.2	45,463	45,840	46,080	45,872	-0.9
Electromedical, measuring, and control instruments.....	29,122	29,259	29,452	-0.5	-0.7	0.2	29,073	28,667	29,329	29,186	-0.4
Electrical equipment, appliances, and components.....	20,752	21,106	21,178	-1.7	-0.3	-1.8	20,546	21,158	21,273	19,836	3.6
Electric lighting equipment.....	999	1,019	1,044	-2.0	-2.4	-0.9	1,093	1,043	1,070	1,254	-12.8
Household appliances.....	666	661	664	0.8	-0.5	-5.8	643	647	637	630	2.1
Electrical equipment.....	9,659	9,812	9,807	-1.6	0.1	-0.9	9,527	9,910	9,975	9,216	3.4
Transportation equipment.....	574,392	569,559	580,582	0.8	-1.9	1.8	569,029	564,328	577,247	534,757	6.4
Motor vehicle bodies, parts, and trailers.....	16,279	16,431	16,450	-0.9	-0.1	-0.3	15,687	15,790	16,042	16,093	-2.5
Nondefense aircraft and parts.....	403,883	399,562	408,206	1.1	-2.1	2.4	400,692	396,446	405,474	358,391	11.8
Defense aircraft and parts.....	61,496	60,237	60,334	2.1	-0.2	0.4	60,517	59,222	60,523	58,211	4.0
Ships and boats.....	17,967	18,404	19,334	-2.4	-4.8	1.2	17,452	18,060	19,217	25,016	-30.2
Furniture and related products.....	6,467	6,394	6,370	1.1	0.4	0.8	6,247	6,207	6,765	5,907	5.8

^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				
	Monthly			Percent Change			Monthly				Percent Change Sept. 12/11
	Sept. 2012 ^p	Aug. 2012 ^f	July 2012	Aug. - Sept.	July - Aug.	June - July	Sept. 2012 ^p	Aug. 2012 ^f	July 2012	Sept. 2011	
All manufacturing industries.....	615,698	611,959	608,099	0.6	0.6	0.6	614,621	615,526	612,070	590,359	4.1
Excluding transportation.....	503,078	499,769	497,523	0.7	0.5	0.5	502,323	501,994	500,265	488,408	2.8
Excluding defense.....	589,965	585,635	582,051	0.7	0.6	0.6	589,021	589,269	585,962	564,557	4.3
With unfilled orders.....	302,356	301,397	299,673	0.3	0.6	0.8	301,026	304,590	302,671	284,210	5.9
Durable goods industries.....	372,891	371,952	369,847	0.3	0.6	0.9	371,236	375,663	372,965	351,805	5.5
Wood products.....	9,053	8,973	8,924	0.9	0.5	0.3	9,100	8,924	8,760	8,605	5.8
Nonmetallic mineral products.....	11,625	11,692	11,624	-0.6	0.6	0.5	11,452	11,558	11,627	11,056	3.6
Primary metals.....	34,201	34,105	34,096	0.3	0.0	0.1	34,325	34,343	34,513	35,152	-2.4
Iron and steel mills.....	19,823	19,785	19,850	0.2	-0.3	-0.5	19,980	19,933	20,202	21,208	-5.8
Aluminum and nonferrous metals.....	12,223	12,163	12,102	0.5	0.5	1.1	12,248	12,276	12,209	11,997	2.1
Ferrous metal foundries.....	2,155	2,157	2,144	-0.1	0.6	-0.4	2,097	2,134	2,102	1,947	7.7
Fabricated metal products.....	46,096	45,966	45,892	0.3	0.2	0.1	46,011	46,263	46,440	45,008	2.2
Machinery.....	67,204	66,997	66,586	0.3	0.6	1.4	66,472	67,552	66,708	59,829	11.1
Farm machinery.....	3,790	3,738	3,691	1.4	1.3	0.5	3,463	3,548	3,560	3,148	10.0
Construction machinery.....	6,060	6,080	6,047	-0.3	0.5	1.3	6,033	6,024	5,973	5,030	19.9
Mining, oil field, and gas field machinery.....	7,841	7,780	7,689	0.8	1.2	0.9	7,807	7,925	7,845	6,672	17.0
Industrial machinery.....	7,189	7,206	7,171	-0.2	0.5	-0.8	7,236	7,285	7,064	7,211	0.3
Photographic equipment.....	1,472	1,473	1,478	-0.1	-0.3	0.3	1,481	1,512	1,537	1,461	1.4
Ventilation, heating, air-conditioning, and refrigeration equipment.....	4,108	4,079	4,073	0.7	0.1	-0.9	4,036	4,174	4,187	4,060	-0.6
Metalworking machinery.....	5,499	5,471	5,469	0.5	0.0	1.9	5,639	5,563	5,505	5,044	11.8
Turbines, generators, and other power transmission equipment.....	11,260	11,149	11,052	1.0	0.9	4.8	11,048	11,527	11,236	9,316	18.6
Material handling equipment.....	4,521	4,499	4,426	0.5	1.6	2.3	4,542	4,587	4,475	3,880	17.1
Computers and electronic products ²	46,658	46,503	46,453	0.3	0.1	0.8	46,241	47,351	47,001	45,432	1.8
Computers.....	1,104	1,155	1,197	-4.4	-3.5	0.8	1,143	1,233	1,195	1,373	-16.8
Computer storage devices.....	1,042	1,080	1,082	-3.5	-0.2	0.1	1,029	1,161	1,117	1,102	-6.6
Other peripheral equipment.....	1,662	1,704	1,721	-2.5	-1.0	4.3	1,609	1,782	1,761	1,648	-2.4
Nondefense communications equipment.....	7,001	6,962	7,016	0.6	-0.8	-0.1	6,885	7,060	7,042	6,693	2.9
Defense communications equipment.....	1,616	1,591	1,555	1.6	2.3	1.4	1,616	1,591	1,555	2,141	-24.5
Audio and video equipment.....	679	660	648	2.9	1.9	4.5	780	728	668	676	15.4
Electronic components.....	7,375	7,302	7,309	1.0	-0.1	0.2	7,265	7,274	7,432	6,867	5.8
Nondefense search and navigation equipment.....	3,331	3,385	3,373	-1.6	0.4	0.9	3,336	3,451	3,371	3,179	4.9
Defense search and navigation equipment.....	2,681	2,706	2,780	-0.9	-2.7	-3.1	2,616	2,720	2,829	2,672	-2.1
Electromedical, measuring and control instruments.....	11,920	11,844	11,781	0.6	0.5	0.6	11,739	12,083	11,892	11,769	-0.3
Electrical equipment, appliances, and components.....	15,495	15,435	15,460	0.4	-0.2	0.3	15,235	15,650	15,658	14,851	2.6
Electric lighting equipment.....	1,797	1,786	1,777	0.6	0.5	1.8	1,767	1,814	1,835	1,618	9.2
Household appliances.....	1,664	1,652	1,658	0.7	-0.4	-0.2	1,676	1,729	1,729	1,760	-4.8
Electrical equipment.....	4,549	4,625	4,668	-1.6	-0.9	0.4	4,330	4,684	4,689	4,341	-0.3
Batteries.....	1,057	1,063	1,057	-0.6	0.6	0.2	1,063	1,101	1,064	1,029	3.3
Transportation equipment.....	112,620	112,190	110,576	0.4	1.5	1.4	112,298	113,532	111,805	101,951	10.1
Automobiles.....	2,881	2,811	2,650	2.5	6.1	-1.4	2,891	2,860	2,778	2,683	7.8
Light trucks and utility vehicles.....	2,520	2,572	2,609	-2.0	-1.4	4.3	2,621	2,743	2,633	2,683	-2.3
Heavy duty trucks.....	2,115	2,111	2,052	0.2	2.9	4.0	2,128	2,198	2,115	2,064	3.1
Motor vehicle bodies, parts, and trailers.....	17,698	17,661	17,616	0.2	0.3	1.0	17,603	17,633	17,680	16,836	4.6
Nondefense aircraft and parts.....	61,179	60,259	59,086	1.5	2.0	1.1	60,876	61,157	59,887	52,250	16.5
Defense aircraft and parts.....	13,158	13,615	13,343	-3.4	2.0	0.9	13,254	13,715	13,431	13,218	0.3
Ships and boats.....	3,088	3,107	3,066	-0.6	1.3	-1.1	3,027	3,054	3,014	2,740	10.5
Furniture and related products.....	6,170	6,160	6,175	0.2	-0.2	0.7	6,191	6,263	6,342	6,070	2.0
Miscellaneous durable goods.....	23,769	23,931	24,061	-0.7	-0.5	1.4	23,911	24,227	24,111	23,851	0.3
Nondurable goods industries.....	242,807	240,007	238,252	1.2	0.7	0.2	243,385	239,863	239,105	238,554	2.0
Food products.....	45,404	45,154	44,827	0.6	0.7	0.1	46,092	45,438	44,163	45,056	2.3
Grain and oilseed milling.....	5,593	5,411	5,218	3.4	3.7	1.7	5,381	5,277	5,083	4,725	13.9
Dairy products.....	5,823	5,819	5,785	0.1	0.6	0.2	5,861	6,002	6,013	6,076	-3.5
Meat, poultry, and seafood products.....	7,783	7,746	7,706	0.5	0.5	0.3	7,898	7,789	7,675	7,563	4.4
Beverage and tobacco products.....	18,538	18,466	18,517	0.4	-0.3	0.2	18,394	17,795	17,938	17,545	4.8
Beverages.....	14,780	14,737	14,791	0.3	-0.4	0.1	14,750	14,277	14,429	13,973	5.6
Tobacco.....	3,758	3,729	3,726	0.8	0.1	0.3	3,644	3,518	3,509	3,572	2.0
Textile mills.....	3,381	3,383	3,388	-0.1	-0.1	-0.3	3,383	3,386	3,403	3,548	-4.7
Textile products.....	3,147	3,142	3,164	0.2	-0.7	-0.6	3,168	3,170	3,186	3,251	-2.6
Apparel.....	2,358	2,347	2,317	0.5	1.3	0.7	2,518	2,481	2,448	2,246	12.1
Leather and allied products.....	858	846	836	1.4	1.2	-0.2	862	869	857	809	6.6
Paper products.....	14,012	14,129	14,251	-0.8	-0.9	-0.5	14,025	14,141	14,215	14,372	-2.4
Pulp, paper, and paperboard mills.....	6,067	6,184	6,293	-1.9	-1.7	-1.3	6,067	6,174	6,262	6,344	-4.4
Paperboard containers.....	4,078	4,078	4,064	0.0	0.3	0.5	4,052	4,067	4,035	4,019	0.8
Printing.....	5,282	5,358	5,371	-1.4	-0.2	-0.8	5,345	5,500	5,430	5,548	-3.7
Petroleum and coal products.....	55,903	53,666	51,676	4.2	3.9	1.3	56,046	53,204	52,749	49,768	12.6
Petroleum refineries.....	51,610	49,445	47,525	4.4	4.0	1.3	51,736	48,486	48,496	45,863	12.8
Chemical products.....	72,428	72,154	72,535	0.4	-0.5	0.2	72,065	72,481	73,121	75,040	-4.0
Pesticides, fertilizers, and other agricultural chemicals.....	4,160	4,153	3,996	0.2	3.9	3.0	3,802	3,778	3,642	3,780	0.6
Pharmaceuticals and medicines.....	24,160	23,829	23,958	1.4	-0.5	0.2	24,076	24,117	24,295	24,515	-1.8
Paints, coatings, and adhesives.....	2,897	2,914	2,945	-0.6	-1.1	1.4	2,834	2,933	3,000	2,884	-1.7
Plastics and rubber products.....	21,496	21,362	21,370	0.6	0.0	-0.8	21,487	21,388	21,595	21,371	0.5

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

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

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

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

Table 5. Value of Manufacturers' Shipments, New Orders, Unfilled Orders, and Total Inventories for Topical Series^{1,2}

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

Industry	Seasonally Adjusted						Not Seasonally Adjusted						Percent Change ⁶ 2012/ 2011
	Monthly			Percent Change			Monthly			Year to date			
	Sept. 2012 ^p	Aug. 2012 ^f	July 2012	Aug. - Sept.	July - Aug.	June - July	Sept. 2012 ^p	Aug. 2012 ^f	July 2012	Sept. 2011	2012 ^p	2011	
SHIPMENTS													
All manufacturing industries.....	481,251	477,115	478,169	0.9	-0.2	1.9	485,699	497,536	458,206	478,000	4,296,090	4,108,996	4.6
Construction materials and supplies.....	40,436	40,569	40,412	-0.3	0.4	-0.4	41,791	45,070	41,825	42,171	372,679	354,925	5.0
Information technology.....	20,928	20,746	21,277	0.9	-2.5	-2.8	23,452	20,320	19,144	25,344	193,103	197,090	-2.0
Computers and related products.....	2,785	2,669	2,936	4.3	-9.1	3.9	3,519	2,395	2,474	4,161	24,879	26,749	-7.0
Motor vehicle and parts.....	43,358	43,516	49,279	-0.4	-11.7	12.1	43,572	47,844	35,693	40,987	390,384	346,428	12.7
Capital goods.....	78,784	77,324	78,727	1.9	-1.8	-0.8	83,044	77,710	73,066	81,907	700,726	662,100	5.8
Nondefense capital goods ³	70,259	69,199	70,476	1.5	-1.8	-0.3	73,678	69,628	65,695	72,546	626,132	580,875	7.8
Excluding aircraft.....	62,957	63,065	63,787	-0.2	-1.1	-1.6	65,881	63,448	60,235	67,113	571,457	541,117	5.6
Defense capital goods ⁴	8,525	8,125	8,251	4.9	-1.5	-4.7	9,366	8,082	7,371	9,361	74,594	81,225	-8.2
Consumer goods.....	211,068	208,943	206,004	1.0	1.4	2.8	210,104	217,433	197,448	202,225	1,846,709	1,769,212	4.4
Consumer durable goods.....	35,843	35,572	37,565	0.8	-5.3	4.6	36,185	37,937	29,046	32,466	315,131	278,231	13.3
Consumer nondurable goods.....	175,225	173,371	168,439	1.1	2.9	2.4	173,919	179,496	168,402	169,759	1,531,578	1,490,981	2.7
NEW ORDERS													
All manufacturing industries ⁵	475,386	453,411	477,711	4.8	-5.1	2.6	479,091	468,249	454,058	477,670	4,238,258	4,102,376	3.3
Construction materials and supplies.....	40,539	38,914	41,152	4.2	-5.4	0.3	41,585	42,593	42,483	41,838	374,477	358,882	4.3
Information technology.....	20,467	20,898	21,587	-2.1	-3.2	-3.5	24,095	19,622	18,807	27,146	199,348	197,670	0.8
Computers and related products.....	2,811	2,724	2,850	3.2	-4.4	0.3	3,545	2,450	2,388	4,153	24,912	26,635	-6.5
Motor vehicle and parts.....	43,206	43,497	49,235	-0.7	-11.7	12.3	43,469	47,592	35,581	41,056	388,953	345,978	12.4
Capital goods.....	80,255	63,861	86,121	25.7	-25.8	1.8	84,465	60,726	79,035	87,845	712,423	709,465	0.4
Nondefense capital goods ³	71,535	57,756	75,941	23.9	-23.9	4.4	75,102	55,769	71,037	77,448	638,915	620,455	3.0
Excluding aircraft.....	60,410	60,305	60,113	0.2	0.3	-5.6	63,214	58,394	55,709	69,949	570,819	566,093	0.8
Defense capital goods ⁴	8,720	6,105	10,180	42.8	-40.0	-14.3	9,363	4,957	7,998	10,397	73,508	89,010	-17.4
Consumer goods.....	211,125	209,000	205,999	1.0	1.5	2.8	210,130	217,275	197,597	202,162	1,846,753	1,769,059	4.4
Consumer durable goods.....	35,900	35,629	37,560	0.8	-5.1	4.5	36,211	37,779	29,195	32,403	315,175	278,078	13.3
Consumer nondurable goods.....	175,225	173,371	168,439	1.1	2.9	2.4	173,919	179,496	168,402	169,759	1,531,578	1,490,981	2.7
UNFILLED ORDERS													
All manufacturing industries ⁵	981,010	979,304	995,852	0.2	-1.7	0.7	971,005	970,768	993,117	929,098	(X)	(X)	4.5
Construction materials and supplies.....	55,750	55,647	57,302	0.2	-2.9	1.3	55,595	55,801	58,278	54,800	(X)	(X)	1.5
Information technology.....	135,664	136,125	135,973	-0.3	0.1	0.2	135,289	134,646	135,344	128,536	(X)	(X)	5.3
Computers and related products.....	1,189	1,163	1,108	2.2	5.0	-7.2	1,189	1,163	1,108	1,150	(X)	(X)	3.4
Motor vehicle and parts.....	16,279	16,431	16,450	-0.9	-0.1	-0.3	15,687	15,790	16,042	16,093	(X)	(X)	-2.5
Capital goods.....	748,003	746,532	759,995	0.2	-1.8	1.0	741,143	739,722	756,706	701,580	(X)	(X)	5.6
Nondefense capital goods ³	582,170	580,894	592,337	0.2	-1.9	0.9	576,898	575,474	589,333	532,265	(X)	(X)	8.4
Excluding aircraft.....	235,289	237,836	240,596	-1.1	-1.1	-1.5	232,769	235,436	240,490	226,086	(X)	(X)	3.0
Defense capital goods ⁴	165,833	165,638	167,658	0.1	-1.2	1.2	164,245	164,248	167,373	169,315	(X)	(X)	-3.0
Consumer goods.....	4,026	3,969	3,912	1.4	1.5	-0.1	3,791	3,765	3,923	3,484	(X)	(X)	8.8
Consumer durable goods.....	4,026	3,969	3,912	1.4	1.5	-0.1	3,791	3,765	3,923	3,484	(X)	(X)	8.8
TOTAL INVENTORIES													
All manufacturing industries.....	615,698	611,959	608,099	0.6	0.6	0.6	614,621	615,526	612,070	590,359	(X)	(X)	4.1
Construction materials and supplies.....	59,159	59,062	59,040	0.2	0.0	0.2	59,123	59,350	59,565	58,057	(X)	(X)	1.8
Information technology.....	39,241	39,206	39,263	0.1	-0.1	0.3	38,948	39,995	39,642	39,164	(X)	(X)	-0.6
Computers and related products.....	3,808	3,939	4,000	-3.3	-1.5	2.1	3,781	4,176	4,073	4,123	(X)	(X)	-8.3
Motor vehicle and parts.....	25,214	25,155	24,927	0.2	0.9	1.3	25,243	25,434	25,206	24,266	(X)	(X)	4.0
Capital goods.....	193,972	193,524	191,790	0.2	0.9	1.3	192,563	195,898	193,092	177,047	(X)	(X)	8.8
Nondefense capital goods ³	172,922	171,930	170,498	0.6	0.8	1.2	171,742	174,471	171,828	156,647	(X)	(X)	9.6
Excluding aircraft.....	121,641	121,424	121,106	0.2	0.3	1.3	120,667	123,192	121,775	112,968	(X)	(X)	6.8
Defense capital goods ⁴	21,050	21,594	21,292	-2.5	1.4	1.9	20,821	21,427	21,264	20,400	(X)	(X)	2.1
Consumer goods.....	183,295	180,589	178,529	1.5	1.2	0.5	184,298	180,637	178,949	176,467	(X)	(X)	4.4
Consumer durable goods.....	25,269	25,324	25,253	-0.2	0.3	0.7	25,461	25,784	25,433	24,996	(X)	(X)	1.9
Consumer nondurable goods.....	158,026	155,265	153,276	1.8	1.3	0.4	158,837	154,853	153,516	151,471	(X)	(X)	4.9

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

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

² Topical series are regroupings of the separate industry categories.

³ Nondefense capital goods industries include: small arms and ordnance; farm machinery and equipment; construction machinery; mining, oil, and gas field machinery; industrial machine vending, laundry, and other machinery; photographic equipment; metalworking machinery; turbines and generators; other power transmission equipment; pumps and 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				
	Monthly			Percent Change			Monthly				Percent Change Sept. 12/11
	Sept. 2012 ^p	Aug. 2012 ^f	July 2012	Aug. - Sept.	July - Aug.	June - July	Sept. 2012 ^p	Aug. 2012 ^f	July 2012	Sept. 2011	
MATERIALS AND SUPPLIES											
All manufacturing industries.....	204,336	203,358	202,451	0.5	0.4	0.9	203,782	203,632	203,876	193,787	5.2
Durable goods industries.....	121,314	120,817	120,210	0.4	0.5	0.7	121,150	121,544	121,162	115,010	5.3
Wood products.....	3,594	3,622	3,585	-0.8	1.0	0.4	3,685	3,618	3,458	3,419	7.8
Nonmetallic mineral products.....	4,721	4,688	4,697	0.7	-0.2	-0.1	4,710	4,686	4,698	4,525	4.1
Primary metals.....	12,864	12,833	12,743	0.2	0.7	0.1	13,021	12,881	12,789	13,592	-4.2
Fabricated metal products.....	16,945	16,814	16,819	0.8	0.0	0.5	16,972	16,932	17,012	16,493	2.9
Machinery.....	26,193	26,090	25,988	0.4	0.4	1.8	26,143	26,435	26,365	23,576	10.9
Computers and electronic products.....	17,696	17,463	17,281	1.3	1.1	-0.2	17,522	17,553	17,405	16,246	7.9
Electrical equipment, appliances, and components.....	6,779	6,809	6,848	-0.4	-0.6	0.0	6,631	6,870	6,925	6,452	2.8
Transportation equipment.....	21,818	21,710	21,411	0.5	1.4	1.3	21,775	21,698	21,608	20,017	8.8
Furniture and related products.....	2,966	2,963	2,981	0.1	-0.6	0.3	2,966	2,982	3,032	2,928	1.3
Miscellaneous products.....	7,738	7,825	7,857	-1.1	-0.4	0.3	7,725	7,889	7,870	7,762	-0.5
Nondurable goods industries.....	83,022	82,541	82,241	0.6	0.4	1.1	82,632	82,088	82,714	78,777	4.9
Food products.....	15,476	15,252	14,974	1.5	1.9	1.8	15,304	15,045	14,880	14,437	6.0
Beverage and tobacco products.....	4,973	4,946	4,953	0.5	-0.1	0.1	4,814	4,714	4,733	4,486	7.3
Textiles.....	1,178	1,187	1,195	-0.8	-0.7	0.0	1,183	1,198	1,214	1,275	-7.2
Textile products.....	1,477	1,484	1,489	-0.5	-0.3	-2.1	1,492	1,497	1,511	1,489	0.2
Apparel.....	799	763	754	4.7	1.2	-0.5	824	773	761	652	26.4
Leather and allied products.....	272	271	254	0.4	6.7	-3.8	277	279	260	266	4.1
Paper products.....	6,968	6,979	7,070	-0.2	-1.3	-0.6	6,973	6,986	6,989	7,061	-1.2
Printing.....	2,443	2,479	2,499	-1.5	-0.8	-1.0	2,481	2,518	2,522	2,646	-6.2
Petroleum and coal products.....	18,326	17,866	17,494	2.6	2.1	2.5	18,221	17,608	17,940	14,265	27.7
Chemical products.....	22,486	22,718	22,981	-1.0	-1.1	2.1	22,439	22,820	23,179	23,579	-4.8
Plastics and rubber products.....	8,624	8,596	8,578	0.3	0.2	-1.5	8,624	8,650	8,725	8,621	0.0
WORK IN PROCESS											
All manufacturing industries.....	190,819	188,931	187,631	1.0	0.7	0.4	189,008	189,508	188,388	179,291	5.4
Durable goods industries.....	144,669	144,197	143,370	0.3	0.6	1.1	143,728	145,861	144,865	134,910	6.5
Wood products.....	1,544	1,514	1,532	2.0	-1.2	2.7	1,540	1,507	1,527	1,430	7.7
Nonmetallic mineral products.....	1,386	1,384	1,367	0.1	1.2	1.9	1,360	1,368	1,376	1,256	8.3
Primary metals.....	10,930	10,964	11,104	-0.3	-1.3	0.0	10,917	11,253	11,419	11,202	-2.5
Fabricated metal products.....	13,458	13,546	13,486	-0.6	0.4	0.0	13,533	13,723	13,574	12,713	6.5
Machinery.....	16,651	16,676	16,744	-0.1	-0.4	1.3	16,453	16,877	16,749	15,413	6.7
Computers and electronic products.....	16,071	15,893	16,067	1.1	-1.1	0.3	15,817	16,126	16,361	17,149	-7.8
Electrical equipment, appliances, and components.....	3,665	3,584	3,567	2.3	0.5	0.1	3,576	3,643	3,622	3,414	4.7
Transportation equipment.....	76,543	76,236	75,064	0.4	1.6	1.6	76,088	76,913	75,746	68,094	11.7
Furniture and related products.....	1,031	1,022	1,037	0.9	-1.4	1.3	1,031	1,028	1,055	999	3.2
Miscellaneous products.....	3,390	3,378	3,402	0.4	-0.7	2.2	3,413	3,423	3,436	3,240	5.3
Nondurable goods industries.....	46,150	44,734	44,261	3.2	1.1	-1.8	45,280	43,647	43,523	44,381	2.0
Food products.....	4,013	4,164	4,104	-3.6	1.5	1.8	3,631	3,712	3,511	3,418	6.2
Beverage and tobacco products.....	5,985	5,922	5,882	1.1	0.7	0.7	5,822	5,322	5,335	5,548	4.9
Textiles.....	776	772	759	0.5	1.7	-0.4	786	782	767	808	-2.7
Textile products.....	420	414	421	1.4	-1.7	1.9	423	416	420	447	-5.4
Apparel.....	389	389	384	0.0	1.3	2.1	404	415	417	369	9.5
Leather and allied products.....	115	112	124	2.7	-9.7	0.0	111	108	124	116	-4.3
Paper products.....	1,251	1,248	1,249	0.2	-0.1	-2.3	1,254	1,265	1,264	1,360	-7.8
Printing.....	1,198	1,243	1,235	-3.6	0.6	0.3	1,234	1,342	1,250	1,353	-8.8
Petroleum and coal products.....	14,504	13,275	12,608	9.3	5.3	-5.2	14,301	13,072	12,833	13,732	4.1
Chemical products.....	15,197	14,896	15,153	2.0	-1.7	-1.8	15,008	14,915	15,262	15,031	-0.2
Plastics and rubber products.....	2,302	2,299	2,342	0.1	-1.8	1.8	2,306	2,298	2,340	2,199	4.9
FINISHED GOODS											
All manufacturing industries.....	220,543	219,670	218,017	0.4	0.8	0.6	221,831	222,386	219,806	217,281	2.1
Durable goods industries.....	106,908	106,938	106,267	0.0	0.6	0.8	106,358	108,258	106,938	101,885	4.4
Wood products.....	3,915	3,837	3,807	2.0	0.8	-0.8	3,875	3,799	3,775	3,756	3.2
Nonmetallic mineral products.....	5,518	5,620	5,560	-1.8	1.1	0.6	5,382	5,504	5,553	5,275	2.0
Primary metals.....	10,407	10,308	10,249	1.0	0.6	0.2	10,387	10,209	10,305	10,358	0.3
Fabricated metal products.....	15,693	15,606	15,587	0.6	0.1	-0.2	15,506	15,608	15,854	15,802	-1.9
Machinery.....	24,360	24,231	23,854	0.5	1.6	0.9	23,876	24,240	23,594	20,840	14.6
Computers and electronic products.....	12,891	13,147	13,105	-1.9	0.3	2.7	12,902	13,672	13,235	12,037	7.2
Electrical equipment, appliances, and components.....	5,051	5,042	5,045	0.2	-0.1	0.8	5,028	5,137	5,111	4,985	0.9
Transportation equipment.....	14,259	14,244	14,101	0.1	1.0	0.3	14,435	14,921	14,451	13,840	4.3
Furniture and related products.....	2,173	2,175	2,157	-0.1	0.8	0.9	2,194	2,253	2,255	2,143	2.4
Miscellaneous products.....	12,641	12,728	12,802	-0.7	-0.6	1.8	12,773	12,915	12,805	12,849	-0.6
Nondurable goods industries.....	113,635	112,732	111,750	0.8	0.9	0.4	115,473	114,128	112,868	115,396	0.1
Food products.....	25,915	25,738	25,749	0.7	0.0	-1.2	27,157	26,681	25,772	27,201	-0.2
Beverage and tobacco products.....	7,580	7,598	7,682	-0.2	-1.1	-0.3	7,758	7,759	7,870	7,511	3.3
Textiles.....	1,427	1,424	1,434	0.2	-0.7	-0.6	1,414	1,406	1,422	1,465	-3.5
Textile products.....	1,250	1,244	1,254	0.5	-0.8	0.5	1,253	1,257	1,255	1,315	-4.7
Apparel.....	1,170	1,195	1,179	-2.1	1.4	0.9	1,290	1,303	1,270	1,225	5.3
Leather and allied products.....	471	463	458	1.7	1.1	1.8	474	482	473	427	11.0
Paper products.....	5,793	5,902	5,932	-1.8	-0.5	0.0	5,798	5,890	5,962	5,951	-2.6
Printing.....	1,641	1,636	1,637	0.3	-0.1	-1.1	1,630	1,640	1,658	1,549	5.2
Petroleum and coal products.....	23,073	22,525	21,574	2.4	4.4	4.4	23,524	22,524	21,976	21,771	8.1
Chemical products.....	34,745	34,540	34,401	0.6	0.4	-0.2	34,618	34,746	34,680	36,430	-5.0
Plastics and rubber products.....	10,570	10,467	10,450	1.0	0.2	-0.7	10,557	10,440	10,530	10,551	0.1

^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.

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 Group³

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

Industry	Inventory/Shipments ratio				Unfilled Orders/Shipments ratio ¹			
	Sep 2012 ^P	Aug 2012 ^F	Jul 2012	Jun 2012	Sep 2012 ^P	Aug 2012 ^F	Jul 2012	Jun 2012
	All manufacturing industries ²	1.28	1.28	1.27	1.29	(X)	(X)	(X)
Durable goods industries ²	1.66	1.67	1.61	1.63	6.24	6.28	6.23	6.28
Wood products.....	1.47	1.44	1.46	1.46	(X)	(X)	(X)	(X)
Nonmetallic mineral products.....	1.43	1.44	1.44	1.44	(X)	(X)	(X)	(X)
Primary metals.....	1.20	1.22	1.21	1.22	1.10	1.13	1.17	1.19
Fabricated metal products.....	1.69	1.69	1.69	1.68	3.16	3.16	3.16	3.12
Machinery.....	2.07	2.06	2.03	1.97	4.21	4.28	4.42	4.48
Computers and electronic products ²	1.66	1.69	1.63	1.59	7.57	7.67	7.56	7.21
Electrical equipment, appliances, and components.....	1.58	1.56	1.55	1.54	2.35	2.38	2.36	2.39
Transportation equipment.....	1.74	1.76	1.59	1.70	14.52	14.66	13.79	14.77
Furniture and related products.....	1.15	1.15	1.16	1.15	1.40	1.37	1.38	1.38
Miscellaneous products.....	1.71	1.74	1.77	1.74	(X)	(X)	(X)	(X)
Nondurable goods industries.....	0.94	0.94	0.96	0.97	(X)	(X)	(X)	(X)
Food products.....	0.75	0.74	0.74	0.74	(X)	(X)	(X)	(X)
Beverage and tobacco products.....	1.51	1.43	1.46	1.51	(X)	(X)	(X)	(X)
Textiles.....	1.38	1.37	1.37	1.39	(X)	(X)	(X)	(X)
Textile products.....	1.60	1.58	1.62	1.65	(X)	(X)	(X)	(X)
Apparel.....	1.88	1.80	1.79	1.85	(X)	(X)	(X)	(X)
Leather and allied products.....	1.96	1.92	1.87	1.85	(X)	(X)	(X)	(X)
Paper products.....	1.01	1.02	1.03	1.03	(X)	(X)	(X)	(X)
Printing.....	0.79	0.80	0.81	0.82	(X)	(X)	(X)	(X)
Petroleum and coal products.....	0.72	0.72	0.74	0.76	(X)	(X)	(X)	(X)
Chemical products.....	1.16	1.16	1.17	1.19	(X)	(X)	(X)	(X)
Plastics and rubber products.....	1.24	1.24	1.24	1.25	(X)	(X)	(X)	(X)

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

¹ 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.

² Unfilled orders to shipments ratio excludes semiconductor manufacturing.

Table 8. Revisions to Previously Published Monthly Percent Changes³

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

Industry	Shipments		New Orders		Unfilled Orders		Inventories	
	Sep ¹ 2012	Sep ² 2011- Aug 2012	Sep ¹ 2012	Sep ² 2011- Aug 2012	Sep ¹ 2012	Sep ² 2011- Aug 2012	Sep ¹ 2012	Sep ² 2011- Aug 2012
	All manufacturing industries.....	(X)	0.2	(X)	0.3	(X)	0.1	(X)
Durable goods industries.....	0.0	0.2	-0.1	0.4	0.0	0.1	0.0	0.1
Wood products.....	(X)	0.6	(X)	(NA)	(X)	(NA)	(X)	0.4
Nonmetallic mineral products.....	(X)	0.7	(X)	(NA)	(X)	(NA)	(X)	0.2
Primary metals.....	-0.1	0.8	-0.2	1.5	0.1	0.7	0.1	0.5
Fabricated metal products.....	-0.2	0.3	0.0	0.7	0.0	0.3	0.0	0.2
Machinery.....	0.0	0.8	0.0	1.4	0.0	0.3	0.0	0.2
Computers and electronic products.....	0.7	0.8	1.4	1.1	0.1	0.2	-0.2	0.1
Electrical equipment, appliances, and components.....	-0.2	0.4	-0.9	1.1	-0.4	0.5	0.3	0.4
Transportation equipment.....	-0.2	0.4	-0.4	1.3	-0.1	0.2	0.0	0.2
Furniture and related products.....	(X)	0.4	(X)	0.6	(X)	0.6	(X)	0.4
Miscellaneous products.....	(X)	0.7	(X)	0.7	(X)	0.5	(X)	0.4
Nondurable goods industries.....	(X)	0.4	(X)	(NA)	(X)	(NA)	(X)	0.1
Food products.....	(X)	0.1	(X)	(NA)	(X)	(NA)	(X)	0.2
Beverage and tobacco products.....	(X)	0.8	(X)	(NA)	(X)	(NA)	(X)	0.2
Textiles.....	(X)	0.3	(X)	(NA)	(X)	(NA)	(X)	0.3
Textile products.....	(X)	0.5	(X)	(NA)	(X)	(NA)	(X)	0.3
Apparel.....	(X)	1.1	(X)	(NA)	(X)	(NA)	(X)	0.8
Leather and allied products.....	(X)	0.8	(X)	(NA)	(X)	(NA)	(X)	0.5
Paper products.....	(X)	0.2	(X)	(NA)	(X)	(NA)	(X)	0.2
Printing.....	(X)	0.9	(X)	(NA)	(X)	(NA)	(X)	0.6
Petroleum and coal products.....	(X)	1.1	(X)	(NA)	(X)	(NA)	(X)	0.5
Chemical products.....	(X)	0.5	(X)	(NA)	(X)	(NA)	(X)	0.2
Plastics and rubber products.....	(X)	0.4	(X)	(NA)	(X)	(NA)	(X)	0.2

X Not Applicable NA Not Available

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

² 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.

³ Estimates of shipments and new orders are for the duration of the period, while estimates of unfilled orders and total inventories are for the end of the period. Not seasonally adjusted estimates of shipments and new orders include adjusted data for non-calendar reporters. Seasonally adjusted estimates include concurrent adjustments for holiday and trading-day differences, where appropriate, as well as seasonal variation, based on the results of the latest annual review of the model parameters. Estimates are not adjusted for price changes.

Survey Description

This report is compiled from results of the U.S. Census Bureau's Manufacturers' Shipments, Inventories, and Orders (M3) survey. This survey provides statistics on manufacturers' value of shipments, new orders (net of cancellations), end-of-month order backlog (unfilled orders), end-of-month total inventory (at current cost or market value), and inventories by stage of fabrication (materials and supplies, work-in-process, and finished goods). The M3 includes approximately 4,300 reporting units. Units may be divisions of diversified large companies, large homogenous companies, or single-unit manufacturers in 89 industry categories. Due to the small monthly sample, these 89 categories have been combined into 65 publication levels. The survey methodology assumes that the month-to-month changes of the total operations of those companies in the monthly survey effectively represent the month-to-month movements of all establishments that make up the category. The current coverage levels in the survey show that reported data in the monthly survey represent approximately 60 percent of the shipments estimates at the total manufacturing level. Data published represent manufacturing in a calendar month. The data collection is based on a voluntary survey authorized by Title 13 of the United States Code.

The data presented in this release are based on data obtained from a panel of 4,300 reporting units and provide an indication of the activity within the manufacturing sector. The results differ from what would be obtained from a complete enumeration of all manufacturing companies. In addition, a different panel of 4,300 companies would yield different results. The M3 panel is comprised of companies with \$500 million or more in shipments and a limited number of smaller companies. From a statistical perspective, the panel is not a probability sample; therefore, the sampling errors that are normally provided with sample surveys cannot be measured. Nonsampling errors are attributable to many sources. The use of company or divisional reports to estimate the monthly change for establishments is one source of nonsampling error. The use of primarily large companies to represent the month-to-month movement of all companies is another potential source. Any corrections will be published in the full report. Corrections received after the full report will be released in the next month's advance report. Any revisions made later than two months will be reflected in the annual benchmark publication.

Additional survey documentation can be found on our web site: <http://www.census.gov/m3>.