

# U.S. Census Bureau News

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

FOR IMMEDIATE RELEASE

WEDNESDAY, NOVEMBER 3, 2010, AT 10:00 A.M. EDT

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M3-2 (10)-09  
CB10-168

## Full Report on Manufacturers' Shipments, Inventories and Orders September 2010

### Summary

New orders for manufactured goods in September, up three consecutive months, increased \$8.8 billion or 2.1 percent to \$420.0 billion, the U.S. Census Bureau reported today. This followed a slight August increase. Excluding transportation, new orders increased 0.4 percent.

Shipments, up two of the last three months, increased \$1.7 billion or 0.4 percent to \$418.2 billion. This followed a 0.2 percent August decrease.

Unfilled orders, up six consecutive months, increased \$8.0 billion or 1.0 percent to \$813.5 billion. This followed a 0.2 percent August increase. The unfilled orders-to-shipments ratio was 5.64, up from 5.61 in August.

Inventories, up eight of the last nine months, increased \$3.5 billion or 0.7 percent to \$531.2 billion. This followed a 0.4 percent August increase. The inventories-to-shipments ratio was unchanged at 1.27.

### New Orders

New orders for manufactured durable goods in September, up two of the last three months, increased \$6.8 billion or 3.5 percent to \$200.0 billion, revised from the previously published 3.3 percent increase. This followed a 0.8 percent August decrease.

Transportation equipment, also up two of the last three months, had the largest increase, \$7.5 billion or 15.8 percent to \$54.8 billion.

New orders for manufactured nondurable goods increased \$1.9 billion or 0.9 percent to \$220.0 billion.

### Shipments

Shipments of manufactured durable goods in September, down two consecutive months, decreased \$0.3 billion or 0.1 percent to \$198.2 billion, revised from the previously published 0.4 percent decrease. This followed a 1.3 percent August decrease.

Computer and electronic products, down four of the last five months, had the largest decrease, \$0.4 billion or 1.3 percent to \$33.8 billion.

Shipments of manufactured nondurable goods, up two consecutive months, increased \$1.9 billion or 0.9 percent to \$220.0 billion. This followed a 0.8 percent August increase. Chemical products, up three consecutive months, led the increase, up \$0.8 billion or 1.4 percent to \$60.8 billion.

### Unfilled Orders

Unfilled orders for manufactured durable goods in September, up six consecutive months, increased \$8.0 billion or 1.0 percent to \$813.5 billion, unchanged from the previously published increase. This followed a 0.2 percent August increase.

Transportation equipment, up following four consecutive monthly decreases, had the largest increase, \$5.8 billion or 1.2 percent to \$480.0 billion.

### Inventories

Inventories of manufactured durable goods in September, up nine consecutive months, increased \$1.5 billion or 0.5 percent to \$314.7 billion, unchanged from the previously published increase. This followed a 0.7 percent August increase.

Transportation equipment, also up nine consecutive months, had the largest increase, \$1.2 billion or 1.4 percent to \$82.7 billion.

Inventories of manufactured nondurable goods, up two of the last three months, increased \$1.9 billion or 0.9 percent to \$216.4 billion. This followed a 0.1 percent August decrease. Petroleum and coal products, up two of the last three months, led the increase, up \$1.7 billion or 4.3 percent to \$41.8 billion.

By stage of fabrication, September materials and supplies increased slightly in durable goods and 1.6 percent in nondurable goods. Work in process increased 1.1 percent in durable goods and decreased slightly in nondurable goods. Finished goods increased 0.4 percent in durable goods and 0.8 percent in nondurable goods.

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

The advance report on durable goods for October is scheduled for release on November 24, 2010, at 8:30 a.m. EST and the full report on December 3, 2010, at 10:00 a.m. EST. See back page for survey description and 2011 release schedule.

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		
	Sept. 2010 <sup>p</sup>	Aug. 2010 <sup>f</sup>	July 2010	Aug. - Sept.	July - Aug.	June - July	Sept. 2010 <sup>p</sup>	Aug. 2010 <sup>f</sup>	July 2010	Sept. 2009	2010 <sup>p</sup>	2009	Percent 2010/ 2009
All manufacturing industries.....	418,168	416,480	417,504	0.4	-0.2	1.2	436,595	431,794	407,832	408,300	3,741,763	3,409,513	9.7
Excluding transportation.....	369,173	367,334	364,881	0.5	0.7	0.4	382,784	380,879	365,546	352,281	3,305,233	2,987,126	10.6
Excluding defense.....	405,943	404,687	405,327	0.3	-0.2	1.2	423,189	420,393	396,717	392,897	3,627,855	3,291,593	10.2
With unfilled orders.....	144,267	143,694	145,407	0.4	-1.2	1.1	155,377	147,428	135,594	146,380	1,283,408	1,185,634	8.2
Durable goods industries.....	198,164	198,420	201,103	-0.1	-1.3	2.5	211,709	203,624	188,091	198,742	1,761,118	1,628,672	8.1
Wood products.....	6,222	6,328	6,570	-1.7	-3.7	-1.9	6,686	6,861	6,821	7,237	61,120	59,279	3.1
Nonmetallic mineral products.....	8,142	8,213	8,232	-0.9	-0.2	-1.1	8,767	9,172	8,701	8,622	74,358	72,609	2.4
Primary metals.....	20,126	19,912	19,789	1.1	0.6	-0.2	21,215	21,181	19,417	16,363	180,488	133,319	35.4
Iron and steel mills.....	9,560	9,486	9,341	0.8	1.6	-2.9	10,191	10,151	9,226	7,304	86,391	58,395	47.9
Aluminum and nonferrous metals.....	9,320	9,188	9,216	1.4	-0.3	2.3	9,658	9,731	9,014	7,883	83,117	65,368	27.2
Ferrous metal foundries.....	1,246	1,238	1,232	0.6	0.5	2.6	1,366	1,299	1,177	1,176	10,980	9,556	14.9
Fabricated metal products.....	27,272	27,308	27,034	-0.1	1.0	-1.4	29,113	29,553	26,768	27,688	246,668	234,785	5.1
Machinery.....	25,653	25,169	24,346	1.9	3.4	-3.2	26,807	24,512	23,228	23,109	221,474	208,294	6.3
Farm machinery.....	2,198	2,355	2,115	-6.7	11.3	5.4	2,137	2,184	1,998	1,729	19,430	18,185	6.8
Construction machinery.....	2,506	2,543	2,551	-1.5	-0.3	7.8	2,552	2,475	2,450	1,681	20,561	16,355	25.7
Mining, oil field, and gas field machinery.....	1,318	1,349	1,364	-2.3	-1.1	-5.9	1,345	1,279	1,235	1,547	12,601	14,668	-14.1
Industrial machinery.....	2,768	2,842	2,508	-2.6	13.3	-4.9	3,144	2,556	2,409	2,302	24,448	20,248	20.7
Photographic equipment.....	743	743	717	0.0	3.6	-5.5	823	763	672	868	6,589	6,510	1.2
Ventilation, heating, air-conditioning, and refrigeration equipment.....	2,497	2,430	2,472	2.8	-1.7	-4.8	2,765	2,551	2,642	2,858	23,124	24,899	-7.1
Metalworking machinery.....	1,951	1,924	1,898	1.4	1.4	0.9	2,154	1,893	1,766	1,677	16,304	14,762	10.4
Turbines, generators, and other power transmission equipment.....	3,838	3,084	2,948	24.4	4.6	-20.7	3,823	3,027	2,670	2,886	27,607	25,613	7.8
Material handling equipment.....	1,663	1,682	1,613	-1.1	4.3	3.7	1,702	1,736	1,536	1,517	14,465	13,725	5.4
Computers and electronic products <sup>2</sup> .....	33,834	34,268	34,383	-1.3	-0.3	8.6	36,299	32,643	33,627	32,191	291,233	259,069	12.4
Computers.....	4,811	4,716	4,436	2.0	6.3	3.5	4,850	4,410	4,814	3,310	37,834	32,334	17.0
Computer storage devices.....	672	719	752	-6.5	-4.4	15.5	937	546	569	853	5,926	4,803	23.4
Other peripheral equipment.....	1,123	1,121	1,164	0.2	-3.7	3.6	1,389	999	919	1,266	9,312	8,901	4.6
Nondefense communications equipment.....	2,920	2,958	2,964	-1.3	-0.2	1.1	3,563	2,859	2,546	3,972	26,919	27,498	-2.1
Defense communications equipment.....	579	511	596	13.3	-14.3	12.0	624	505	579	565	4,903	5,040	-2.7
Audio and video equipment.....	418	421	411	-0.7	2.4	-9.5	426	366	344	410	3,291	3,126	5.3
Electronic components.....	3,927	4,089	4,050	-4.0	1.0	5.2	4,328	4,136	3,806	3,872	34,968	30,214	15.7
Nondefense search and navigation equipment.....	1,181	998	976	18.3	2.3	-8.3	1,343	1,004	855	1,154	9,498	9,338	1.7
Defense search and navigation equipment.....	2,903	2,865	2,846	1.3	0.7	-3.3	3,054	2,823	2,527	3,298	26,635	27,220	-2.1
Electromedical, measuring, and control instruments.....	8,687	8,794	8,981	-1.2	-2.1	3.1	10,231	8,460	7,977	9,250	76,723	64,899	18.2
Electrical equipment, appliances, and components.....	9,523	9,642	9,598	-1.2	0.5	0.9	10,143	10,048	9,312	9,430	85,405	80,698	5.8
Electric lighting equipment.....	1,169	1,177	1,197	-0.7	-1.7	1.9	1,237	1,184	1,134	1,184	10,432	9,927	5.1
Household appliances.....	1,581	1,626	1,620	-2.8	0.4	-1.2	1,699	1,687	1,528	1,683	14,961	14,595	2.5
Electrical equipment.....	3,221	3,247	3,189	-0.8	1.8	0.9	3,429	3,301	3,077	2,940	27,996	25,544	9.6
Batteries.....	738	752	747	-1.9	0.7	1.5	782	797	715	773	6,410	6,059	5.8
Transportation equipment.....	48,995	49,146	52,623	-0.3	-6.6	6.8	53,811	50,915	42,286	56,019	436,530	422,387	3.3
Automobiles.....	6,082	6,104	6,458	-0.4	-5.5	5.6	6,691	6,624	4,966	5,874	52,960	43,627	21.4
Light trucks and utility vehicles.....	5,947	5,826	6,275	2.1	-7.2	10.2	6,941	6,373	4,040	6,409	49,544	51,294	-3.4
Heavy duty trucks.....	1,650	1,612	1,636	2.4	-1.5	-0.3	1,721	1,594	1,395	1,462	14,372	11,590	24.0
Motor vehicle bodies, parts, and trailers.....	16,820	17,095	18,260	-1.6	-6.4	2.9	17,945	18,393	14,763	17,590	152,582	133,797	14.0
Nondefense aircraft and parts.....	7,026	7,454	8,616	-5.7	-13.5	29.7	7,549	7,320	7,074	9,777	61,658	70,594	-12.7
Defense aircraft and parts.....	5,084	4,978	5,010	2.1	-0.6	-4.0	5,872	4,727	4,487	7,089	47,259	47,871	-1.3
Ships and boats.....	2,403	2,239	2,416	7.3	-7.3	12.2	2,472	2,193	2,233	2,160	20,445	19,453	5.1
Furniture and related products.....	5,569	5,550	5,585	0.3	-0.6	-1.2	5,734	5,943	5,700	5,503	50,083	49,432	1.3
Miscellaneous durable goods.....	12,828	12,884	12,943	-0.4	-0.5	2.8	13,134	12,796	12,231	12,580	113,759	108,800	4.6
Nondurable goods industries.....	220,004	218,060	216,401	0.9	0.8	-0.1	224,886	228,170	219,741	209,558	1,980,645	1,780,841	11.2
Food products.....	55,519	55,076	54,965	0.8	0.2	0.0	57,530	55,859	53,792	54,805	491,194	470,723	4.3
Grain and oilseed milling.....	7,626	7,804	7,441	-2.3	4.9	1.1	8,095	8,042	7,470	8,290	69,402	69,228	0.3
Dairy products.....	7,896	7,688	7,595	2.7	1.2	2.1	8,038	7,832	7,545	6,866	67,066	61,962	8.2
Meat, poultry, and seafood products.....	15,954	15,687	15,860	1.7	-1.1	1.3	15,745	15,882	16,086	14,027	140,457	127,625	10.1
Beverage and tobacco products.....	10,807	10,806	10,509	0.0	2.8	-3.4	10,753	11,316	10,523	9,903	94,371	90,153	4.7
Beverages.....	7,661	7,624	7,496	0.5	1.7	-1.1	7,607	8,134	7,510	6,893	67,443	63,449	6.3
Tobacco.....	3,146	3,182	3,013	-1.1	5.6	-8.7	3,146	3,182	3,013	3,010	26,928	26,704	0.8
Textile mills.....	2,386	2,405	2,402	-0.8	0.1	-0.1	2,462	2,477	2,311	2,222	21,437	18,929	13.2
Textile products.....	1,824	1,826	1,833	-0.1	-0.4	-1.7	1,838	1,945	1,903	1,814	17,068	16,527	3.3
Apparel.....	1,234	1,291	1,285	-4.4	0.5	-0.8	1,325	1,430	1,319	1,284	11,519	11,409	1.0
Leather and allied products.....	389	393	399	-1.0	-1.5	-1.0	451	427	391	479	3,644	3,777	-3.5
Paper products.....	14,482	14,393	14,381	0.6	0.1	1.8	14,792	14,838	14,360	13,572	127,342	120,637	5.6
Pulp, paper, and paperboard mills.....	6,842	6,777	6,731	1.0	0.7	1.1	6,943	7,020	6,770	6,244	59,655	55,658	7.2
Paperboard containers.....	4,121	4,033	4,046	2.2	-0.3	1.1	4,199	4,171	4,078	3,724	35,807	33,889	5.7
Printing.....	7,249	7,233	7,211	0.2	0.3	-0.7	7,579	7,298	6,889	7,331	64,068	64,121	-0.1
Petroleum and coal products.....	50,130	49,393	49,208	1.5	0.4	-0.3	51,499	55,283	54,377	46,590	473,486	359,782	31.6
Petroleum refineries.....	47,081	46,354	46,195	1.6	0.3	0.0	47,919	51,566	50,899	43,336	444,714	333,633	33.3
Chemical products.....	60,760	59,939	58,831	1.4	1.9	0.3	60,853	60,956	58,340	56,385	536,317	492,924	8.8
Pesticides, fertilizers, and other agricultural chemicals.....	4,238	4,030	3,710	5.2	8.6	0.3	3,512	3,479	3,185	2,313	36,540	25,644	42.5
Pharmaceuticals and medicines.....	15,961	15,726	15,431	1.5	1.9	-0.7	16,092	16,055	15,067	15,397	138,551	141,537	-2.1
Paints, coatings, and adhesives.....	2,585	2,650	2,600	-2.5	1.9	-3.2	2,676	2,861	2,783	2,643	24,223	23,490	3.1
Plastics and rubber products.....	15,224	15,305	15,377	-0.5	-0.5	0.2	15,804	16,341	15,536	15,173	140,199	131,859	6.3

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

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

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

Table 2. Value of Manufacturers' New Orders for Industry Groups<sup>1</sup>

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

Industry	Seasonally Adjusted						Not Seasonally Adjusted						
	Monthly			Percent Change			Monthly				Year to date		
	Sept. 2010 <sup>P</sup>	Aug. 2010 <sup>F</sup>	July 2010	Aug. - Sept.	July - Aug.	June - July	Sept. 2010 <sup>P</sup>	Aug. 2010 <sup>F</sup>	July 2010	Sept. 2009	2010 <sup>P</sup>	2009	Percent 2010/2009
All manufacturing industries <sup>2</sup> .....	420,024	411,259	411,101	2.1	0.0	0.5	438,172	423,790	398,090	397,714	3,706,390	3,279,658	13.0
Excluding transportation <sup>2</sup> .....	365,231	363,927	359,206	0.4	1.3	-0.9	379,756	376,364	358,182	350,196	3,277,605	2,915,410	12.4
Excluding defense <sup>2</sup> .....	406,927	399,270	398,864	1.9	0.1	0.5	424,556	413,354	388,901	384,213	3,594,222	3,172,205	13.3
With unfilled orders <sup>2</sup> .....	152,249	145,045	145,683	5.0	-0.4	0.7	161,968	145,470	134,060	139,526	1,299,224	1,097,244	18.4
Durable goods industries <sup>2</sup> .....	200,020	193,199	194,700	3.5	-0.8	1.2	213,286	195,620	178,349	188,156	1,725,745	1,498,817	15.1
Primary metals.....	19,869	19,927	20,249	-0.3	-1.6	5.0	20,381	21,463	20,352	16,087	182,677	130,062	40.5
Iron and steel mills.....	9,336	9,411	9,880	-0.8	-4.7	9.2	9,463	10,418	10,206	7,090	88,256	57,068	54.7
Aluminum and nonferrous metals.....	9,295	9,226	9,150	0.7	0.8	1.4	9,587	9,702	8,983	7,834	83,277	64,048	30.0
Ferrous metal foundries.....	1,238	1,290	1,219	-4.0	5.8	0.3	1,331	1,343	1,163	1,163	11,144	8,946	24.6
Fabricated metal products.....	27,159	27,529	27,107	-1.3	1.6	-1.4	28,491	29,271	26,597	27,139	248,142	225,536	10.0
Machinery.....	27,538	26,948	25,566	2.2	5.4	-9.8	29,229	25,931	24,659	24,500	236,103	195,677	20.7
Construction machinery.....	2,608	2,798	2,875	-6.8	-2.7	23.6	2,767	2,653	2,807	2,178	21,771	11,325	92.2
Mining, oil field, and gas field machinery.....	1,380	1,442	1,099	-4.3	31.2	-67.6	1,361	1,530	994	1,372	14,142	12,070	17.2
Industrial machinery.....	3,084	3,040	2,797	1.4	8.7	-7.5	3,210	2,489	2,990	1,997	25,809	16,387	57.5
Photographic equipment.....	588	722	717	-18.6	0.7	-9.4	690	764	652	934	6,550	6,523	0.4
Ventilation, heating, air-conditioning, and refrigeration equipment.....	2,745	2,746	2,413	0.0	13.8	-16.6	3,487	2,828	2,601	3,754	27,046	28,462	-5.0
Metalworking machinery.....	1,965	1,953	1,804	0.6	8.3	-1.5	2,186	1,917	1,637	1,683	16,117	13,491	19.5
Turbines, generators, and other power transmission equipment.....	4,929	3,857	3,288	27.8	17.3	-15.0	4,841	3,788	3,010	3,230	31,066	24,736	25.6
Material handling equipment.....	1,785	1,654	2,053	7.9	-19.4	27.0	2,021	1,573	1,863	1,660	15,511	12,653	22.6
Computers and electronic products <sup>2</sup> .....	27,689	28,468	27,398	-2.7	3.9	-0.3	31,981	26,927	24,463	30,019	240,372	214,974	11.8
Computers.....	4,951	4,770	4,030	3.8	18.4	-12.0	4,990	4,464	4,408	4,212	37,935	31,593	20.1
Nondefense communications equipment.....	2,726	3,450	3,072	-21.0	12.3	7.4	3,490	3,669	2,518	4,284	26,160	28,272	-7.5
Defense communications equipment.....	549	522	538	5.2	-3.0	46.6	706	355	366	706	4,962	5,114	-3.0
Electronic components.....	3,882	3,961	4,010	-2.0	-1.2	2.8	4,203	4,200	3,806	4,089	35,872	30,754	16.6
Nondefense search and navigation equipment.....	954	977	1,039	-2.4	-6.0	-2.8	1,152	990	968	979	9,251	8,042	15.0
Defense search and navigation equipment.....	3,045	3,283	3,030	-7.2	8.3	-1.7	3,414	2,830	2,297	3,116	26,562	26,812	-0.9
Electromedical, measuring, and control instruments.....	8,882	8,740	8,824	1.6	-1.0	-0.8	10,734	8,019	7,785	9,595	77,066	63,326	21.7
Electrical equipment, appliances, and components.....	10,018	10,037	9,625	-0.2	4.3	-4.5	10,224	10,206	9,501	9,055	89,449	78,962	13.3
Electric lighting equipment.....	1,291	1,217	1,187	6.1	2.5	5.2	1,314	1,211	1,084	1,205	10,862	9,878	10.0
Household appliances.....	1,608	1,547	1,627	3.9	-4.9	0.7	1,722	1,601	1,573	1,736	15,041	14,767	1.9
Electrical equipment.....	3,219	3,487	3,257	-7.7	7.1	-7.4	3,187	3,465	3,308	2,638	30,073	24,063	25.0
Transportation equipment.....	54,793	47,332	51,895	15.8	-8.8	11.6	58,416	47,426	39,908	47,518	428,785	364,248	17.7
Motor vehicle bodies, parts, and trailers.....	16,917	17,138	17,949	-1.3	-4.5	2.8	18,000	18,099	14,610	17,285	151,263	131,851	14.7
Nondefense aircraft and parts.....	12,853	6,268	8,949	105.1	-30.0	69.1	13,195	5,343	6,913	4,126	63,655	31,920	99.4
Defense aircraft and parts.....	6,282	4,831	4,795	30.0	0.8	-9.4	6,634	3,786	4,067	5,343	47,281	45,077	4.9
Ships and boats.....	1,704	1,430	1,833	19.2	-22.0	5.4	1,628	1,480	1,235	1,739	16,343	14,475	12.9
Furniture and related products.....	5,693	5,630	5,118	1.1	10.0	-8.3	5,908	5,664	5,119	5,393	50,658	49,495	2.3
Nondurable goods industries.....	220,004	218,060	216,401	0.9	0.8	-0.1	224,886	228,170	219,741	209,558	1,980,645	1,780,841	11.2

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

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

<sup>2</sup> Data on new orders are not available for the semiconductor industry. Estimates and percent changes for new orders exclude semiconductor industry data.

Note: Estimates of manufacturers' shipments, inventories and orders are subject to survey error and revision. One major component of survey error is nonsampling error, which includes errors of coverage, response, and nonreporting. Since the survey panel is not a probability sample, estimates of sampling error cannot be calculated. For further details on survey design, methodology, and data limitations see <<http://www.census.gov/manufacturing/m3/>>.

Table 3. Value of Manufacturers' Unfilled Orders for Industry Groups<sup>1</sup>

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

Industry	Seasonally Adjusted						Not Seasonally Adjusted				
	Monthly			Percent Change			Monthly				Percent Change Sept. 10/09
	Sept. 2010 <sup>p</sup>	Aug. 2010 <sup>r</sup>	July 2010	Aug. - Sept.	July - Aug.	June - July	Sept. 2010 <sup>p</sup>	Aug. 2010 <sup>r</sup>	July 2010	Sept. 2009	
All manufacturing industries <sup>2</sup> .....	813,506	805,524	804,173	1.0	0.2	0.0	808,502	801,911	803,869	804,260	0.5
Excluding transportation <sup>2</sup> .....	333,496	331,312	328,147	0.7	1.0	0.3	333,290	331,304	329,773	312,440	6.7
Excluding defense <sup>2</sup> .....	658,965	651,855	650,700	1.1	0.2	0.0	656,690	650,309	651,302	646,413	1.6
Durable goods industries <sup>2</sup> .....	813,506	805,524	804,173	1.0	0.2	0.0	808,502	801,911	803,869	804,260	0.5
Primary metals.....	18,258	18,515	18,500	-1.4	0.1	2.5	18,560	19,394	19,112	16,679	11.3
Iron and steel mills.....	10,166	10,390	10,465	-2.2	-0.7	5.4	10,634	11,362	11,095	9,462	12.4
Aluminum and nonferrous metals.....	6,044	6,069	6,031	-0.4	0.6	-1.1	5,919	5,990	6,019	5,404	9.5
Ferrous metal foundries.....	2,048	2,056	2,004	-0.4	2.6	-0.6	2,007	2,042	1,998	1,813	10.7
Fabricated metal products.....	53,987	54,100	53,879	-0.2	0.4	0.1	53,548	54,170	54,452	52,864	1.3
Machinery.....	101,553	99,668	97,889	1.9	1.8	1.3	101,795	99,373	97,954	87,841	15.9
Construction machinery.....	10,708	10,606	10,351	1.0	2.5	3.2	10,626	10,411	10,233	10,189	4.3
Mining, oil field, and gas field machinery.....	7,581	7,519	7,426	0.8	1.3	-3.4	7,605	7,589	7,338	6,246	21.8
Industrial machinery.....	12,703	12,387	12,189	2.6	1.6	2.4	12,352	12,286	12,353	10,753	14.9
Photographic equipment.....	2,382	2,537	2,558	-6.1	-0.8	0.0	2,396	2,529	2,528	2,473	-3.1
Ventilation, heating, air-conditioning, and refrigeration equipment.....	21,463	21,215	20,899	1.2	1.5	-0.3	22,230	21,508	21,231	18,004	23.5
Metalworking machinery.....	6,202	6,188	6,159	0.2	0.5	-1.5	6,176	6,144	6,120	6,462	-4.4
Turbines, generators, and other power transmission equipment.....	16,372	15,281	14,508	7.1	5.3	2.4	16,272	15,254	14,493	12,581	29.3
Material handling equipment.....	7,927	7,805	7,833	1.6	-0.4	6.0	7,945	7,626	7,789	7,234	9.8
Computers and electronic products <sup>2</sup> .....	122,063	122,082	121,310	0.0	0.6	-0.3	121,837	121,141	120,811	122,215	-0.3
Computers.....	5,472	5,332	5,278	2.6	1.0	-7.1	5,472	5,332	5,278	4,777	14.5
Nondefense communications equipment.....	21,893	22,087	21,595	-0.9	2.3	0.5	22,020	22,093	21,283	23,021	-4.3
Defense communications equipment.....	6,098	6,128	6,117	-0.5	0.2	-0.9	6,054	5,972	6,122	6,339	-4.5
Electronic components.....	11,511	11,556	11,684	-0.4	-1.1	-0.3	11,597	11,722	11,658	10,386	11.7
Nondefense search and navigation equipment.....	8,123	8,350	8,371	-2.7	-0.3	0.8	8,127	8,318	8,332	8,560	-5.1
Defense search and navigation equipment.....	39,860	39,718	39,300	0.4	1.1	0.5	39,513	39,153	39,146	40,766	-3.1
Electromedical, measuring, and control instruments.....	29,106	28,911	28,965	0.7	-0.2	-0.5	29,054	28,551	28,992	28,366	2.4
Electrical equipment, appliances, and components.....	25,265	24,770	24,375	2.0	1.6	0.1	25,145	25,064	24,906	21,553	16.7
Electric lighting equipment.....	2,462	2,340	2,300	5.2	1.7	-0.4	2,555	2,478	2,451	2,259	13.1
Household appliances.....	485	458	537	5.9	-14.7	1.3	470	447	533	498	-5.6
Electrical equipment.....	15,685	15,687	15,447	0.0	1.6	0.4	15,637	15,879	15,715	13,825	13.1
Transportation equipment.....	480,010	474,212	476,026	1.2	-0.4	-0.2	475,212	470,607	474,096	491,820	-3.4
Motor vehicle bodies, parts, and trailers.....	13,617	13,520	13,477	0.7	0.3	-2.3	13,329	13,274	13,568	14,282	-6.7
Nondefense aircraft and parts.....	327,822	321,995	323,181	1.8	-0.4	0.1	325,562	319,916	321,893	327,344	-0.5
Defense aircraft and parts.....	48,764	47,566	47,713	2.5	-0.3	-0.4	47,770	47,008	47,949	48,239	-1.0
Ships and boats.....	14,753	15,452	16,261	-4.5	-5.0	-3.5	14,276	15,120	15,833	20,381	-30.0
Furniture and related products.....	6,430	6,306	6,226	2.0	1.3	-7.0	6,465	6,291	6,570	6,185	4.5

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

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

<sup>2</sup> Data on unfilled orders are not available for the semiconductor industry. Estimates and percent changes for unfilled orders exclude semiconductor industry data. See note at end of Table 2 relating to survey error and revision.

Table 4. Value of Manufacturers' Inventories for Industry Groups<sup>1</sup>

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

Industry	Seasonally Adjusted						Not Seasonally Adjusted				
	Monthly			Percent Change			Monthly				Percent Change Sept. 10/09
	Sept. 2010 <sup>p</sup>	Aug. 2010 <sup>r</sup>	July 2010	Aug. - Sept.	July - Aug.	June - July	Sept. 2010 <sup>p</sup>	Aug. 2010 <sup>r</sup>	July 2010	Sept. 2009	
All manufacturing industries.....	531,179	527,696	525,722	0.7	0.4	0.9	532,447	532,464	530,257	506,049	5.2
Excluding transportation.....	448,484	446,173	445,345	0.5	0.2	1.0	449,966	450,333	448,930	430,862	4.4
Excluding defense.....	508,525	504,764	502,495	0.7	0.5	1.0	509,833	509,600	507,057	483,268	5.5
With unfilled orders.....	255,941	254,514	252,753	0.6	0.7	0.6	255,257	256,228	254,550	238,241	7.1
Durable goods industries.....	314,734	313,187	311,100	0.5	0.7	0.6	313,696	315,208	313,045	295,754	6.1
Wood products.....	8,869	8,851	8,868	0.2	-0.2	-1.2	8,955	8,838	8,779	8,756	2.3
Nonmetallic mineral products.....	11,319	11,248	11,233	0.6	0.1	0.4	11,110	11,138	11,287	11,505	-3.4
Primary metals.....	30,443	30,580	30,826	-0.4	-0.8	-0.2	30,853	30,918	31,225	27,144	13.7
Iron and steel mills.....	17,989	18,242	18,566	-1.4	-1.7	-0.6	18,380	18,482	18,903	15,575	18.0
Aluminum and nonferrous metals.....	10,649	10,524	10,455	1.2	0.7	0.5	10,709	10,640	10,553	9,828	9.0
Ferrous metal foundries.....	1,805	1,814	1,805	-0.5	0.5	0.1	1,764	1,796	1,769	1,741	1.3
Fabricated metal products.....	41,773	42,049	41,972	-0.7	0.2	0.6	41,676	42,092	42,277	39,694	5.0
Machinery.....	52,041	51,738	51,300	0.6	0.9	1.6	51,543	51,785	51,083	50,351	2.4
Farm machinery.....	2,505	2,520	2,551	-0.6	-1.2	1.6	2,342	2,406	2,489	2,319	1.0
Construction machinery.....	5,286	5,146	5,024	2.7	2.4	1.5	5,254	5,076	4,959	4,812	9.2
Mining, oil field, and gas field machinery.....	5,955	5,897	5,857	1.0	0.7	4.0	5,920	5,969	5,923	5,827	1.6
Industrial machinery.....	6,866	6,770	6,661	1.4	1.6	1.0	6,883	6,844	6,638	6,562	4.9
Photographic equipment.....	1,576	1,576	1,569	0.0	0.4	2.5	1,542	1,579	1,618	1,467	5.1
Ventilation, heating, air-conditioning, and refrigeration equipment.....	3,469	3,499	3,512	-0.9	-0.4	-0.2	3,393	3,508	3,514	3,482	-2.6
Metalworking machinery.....	3,986	3,957	3,946	0.7	0.3	-0.2	4,029	4,012	3,965	4,136	-2.6
Turbines, generators, and other power transmission equipment.....	6,270	6,301	6,163	-0.5	2.2	2.9	6,236	6,410	6,093	6,045	3.2
Material handling equipment.....	3,039	3,038	3,013	0.0	0.8	1.1	3,003	3,018	2,996	2,985	0.6
Computers and electronic products <sup>2</sup> .....	45,550	45,462	45,246	0.2	0.5	0.1	45,049	46,188	45,409	43,128	4.5
Computers.....	2,056	2,226	2,353	-7.6	-5.4	-4.0	2,168	2,395	2,272	2,045	6.0
Computer storage devices.....	1,081	1,061	1,048	1.9	1.2	-0.5	1,034	1,101	1,063	933	10.8
Other peripheral equipment.....	1,442	1,453	1,461	-0.8	-0.5	0.2	1,378	1,523	1,499	1,375	0.2
Nondefense communications equipment.....	5,984	5,955	5,988	0.5	-0.6	1.7	5,807	5,981	5,934	5,561	4.4
Defense communications equipment.....	2,095	2,139	2,066	-2.1	3.5	0.8	2,095	2,139	2,066	1,975	6.1
Audio and video equipment.....	372	375	388	-0.8	-3.4	-0.3	411	389	385	782	-47.4
Electronic components.....	7,656	7,566	7,480	1.2	1.1	0.6	7,568	7,634	7,577	6,473	16.9
Nondefense search and navigation equipment.....	3,799	3,779	3,767	0.5	0.3	-0.1	3,840	3,817	3,818	3,604	6.5
Defense search and navigation equipment.....	3,561	3,589	3,633	-0.8	-1.2	0.9	3,525	3,605	3,650	3,262	8.1
Electromedical, measuring and control instruments.....	11,992	11,818	11,687	1.5	1.1	-0.8	11,751	12,064	11,714	11,425	2.9
Electrical equipment, appliances, and components.....	14,788	14,640	14,444	1.0	1.4	1.6	14,670	14,757	14,609	13,554	8.2
Electric lighting equipment.....	1,676	1,624	1,562	3.2	4.0	0.9	1,639	1,653	1,594	1,563	4.9
Household appliances.....	2,580	2,527	2,437	2.1	3.7	5.5	2,635	2,654	2,554	2,151	22.5
Electrical equipment.....	4,827	4,753	4,730	1.6	0.5	1.6	4,654	4,629	4,667	3,994	16.5
Batteries.....	977	985	985	-0.8	0.0	0.7	1,007	1,028	1,024	1,084	-7.1
Transportation equipment.....	82,695	81,523	80,377	1.4	1.4	0.4	82,481	82,131	81,327	75,187	9.7
Automobiles.....	1,679	1,726	1,716	-2.7	0.6	-3.3	1,611	1,744	1,727	1,083	48.8
Light trucks and utility vehicles.....	1,911	2,007	1,935	-4.8	3.7	5.5	2,020	2,150	1,922	1,396	44.7
Heavy duty trucks.....	1,331	1,328	1,334	0.2	-0.4	1.9	1,320	1,368	1,371	1,290	2.3
Motor vehicle bodies, parts, and trailers.....	16,233	16,108	15,954	0.8	1.0	0.8	16,128	16,020	15,967	14,056	14.7
Nondefense aircraft and parts.....	39,152	37,768	36,682	3.7	3.0	0.5	39,069	38,132	37,556	33,384	17.0
Defense aircraft and parts.....	11,904	12,030	12,106	-1.0	-0.6	0.6	11,964	12,091	12,168	12,063	-0.8
Ships and boats.....	3,544	3,534	3,771	0.3	-6.3	1.7	3,501	3,457	3,685	3,207	9.2
Furniture and related products.....	6,408	6,422	6,356	-0.2	1.0	0.7	6,407	6,484	6,466	6,102	5.0
Miscellaneous durable goods.....	20,848	20,674	20,478	0.8	1.0	0.6	20,952	20,877	20,583	20,333	3.0
Nondurable goods industries.....	216,445	214,509	214,622	0.9	-0.1	1.5	218,751	217,256	217,212	210,295	4.0
Food products.....	41,493	40,979	40,536	1.3	1.1	0.4	42,306	41,147	40,054	40,048	5.6
Grain and oilseed milling.....	5,525	5,433	5,284	1.7	2.8	4.6	5,417	5,272	5,216	4,586	18.1
Dairy products.....	5,599	5,433	5,342	3.1	1.7	-1.4	5,591	5,539	5,529	4,934	13.3
Meat, poultry, and seafood products.....	8,217	8,165	8,124	0.6	0.5	1.7	8,411	8,212	8,077	7,442	13.0
Beverage and tobacco products.....	15,350	15,444	15,613	-0.6	-1.1	-0.7	15,350	14,959	14,975	16,083	-4.6
Beverages.....	11,739	11,806	11,962	-0.6	-1.3	-0.8	11,855	11,539	11,559	12,451	-4.8
Tobacco.....	3,611	3,638	3,651	-0.7	-0.4	-0.3	3,495	3,420	3,416	3,632	-3.8
Textile mills.....	3,186	3,148	3,113	1.2	1.1	1.4	3,164	3,120	3,098	3,015	4.9
Textile products.....	3,001	2,980	2,947	0.7	1.1	0.4	3,032	3,005	2,957	2,802	8.2
Apparel.....	2,697	2,642	2,579	2.1	2.4	2.6	2,833	2,774	2,720	2,565	10.4
Leather and allied products.....	878	872	863	0.7	1.0	0.6	899	902	891	899	0.0
Paper products.....	14,217	14,191	14,195	0.2	0.0	0.6	14,211	14,198	14,144	14,234	-0.2
Pulp, paper, and paperboard mills.....	5,770	5,759	5,776	0.2	-0.3	0.4	5,752	5,752	5,729	6,204	-7.3
Paperboard containers.....	4,086	4,097	4,103	-0.3	-0.1	-1.4	4,068	4,090	4,095	3,795	7.2
Printing.....	5,356	5,393	5,390	-0.7	0.1	0.5	5,518	5,544	5,481	5,613	-1.7
Petroleum and coal products.....	41,760	40,039	40,385	4.3	-0.9	6.9	43,346	42,506	43,414	37,752	14.8
Petroleum refineries.....	38,985	37,204	37,597	4.8	-1.0	7.2	40,607	39,604	40,590	35,307	15.0
Chemical products.....	69,105	69,308	69,465	-0.3	-0.2	0.4	68,717	69,733	70,031	68,783	-0.1
Pesticides, fertilizers, and other agricultural chemicals.....	4,081	4,164	4,309	-2.0	-3.4	-1.9	3,574	3,743	3,989	3,657	-2.3
Pharmaceuticals and medicines.....	23,472	23,708	23,905	-1.0	-0.8	0.2	23,617	24,191	24,360	26,612	-11.3
Paints, coatings, and adhesives.....	3,350	3,297	3,270	1.6	0.8	0.3	3,312	3,320	3,347	3,069	7.9
Plastics and rubber products.....	19,402	19,513	19,536	-0.6	-0.1	-0.1	19,375	19,368	19,447	18,501	4.7

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

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

<sup>2</sup> Estimates of inventories for the semiconductor industry data are included in computers and electronic products and all other applicable aggregates totals, but are not shown separately.

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

**Table 5. Value of Manufacturers' Shipments, New Orders, Unfilled Orders, and Total Inventories for Topical Series<sup>1, 2</sup>**

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

Industry	Seasonally Adjusted						Not Seasonally Adjusted						
	Monthly			Percent Change			Monthly				Year to date		Percent Change <sup>6</sup> 2010/ 2009
	Sept. 2010 <sup>p</sup>	Aug. 2010 <sup>r</sup>	July 2010	Aug. - Sept.	July - Aug.	June - July	Sept. 2010 <sup>p</sup>	Aug. 2010 <sup>r</sup>	July 2010	Sept. 2009	2010 <sup>p</sup>	2009	
<b>SHIPMENTS</b>													
All manufacturing industries .....	418,168	416,480	417,504	0.4	-0.2	1.2	436,595	431,794	407,832	408,300	3,741,763	3,409,513	9.7
Construction materials and supplies.....	39,616	39,973	40,145	-0.9	-0.4	-1.9	42,874	43,785	41,556	42,725	368,328	357,845	2.9
Information technology.....	27,338	27,190	27,216	0.5	-0.1	1.6	30,776	26,303	25,143	28,305	237,271	218,473	8.6
Computers and related products .....	6,606	6,556	6,352	0.8	3.2	4.8	7,176	5,955	6,302	5,429	53,072	46,038	15.3
Motor vehicle and parts.....	30,499	30,637	32,629	-0.5	-6.1	4.6	33,298	32,984	25,164	31,335	269,458	240,308	12.1
Capital goods.....	74,921	74,349	75,228	0.8	-1.2	2.4	80,563	72,805	69,906	77,296	655,793	627,129	4.6
Nondefense capital goods <sup>3</sup> .....	65,154	65,225	65,641	-0.1	-0.6	3.0	70,113	63,849	61,073	64,930	564,450	531,591	6.2
Excluding aircraft.....	61,317	60,710	59,876	1.0	1.4	0.0	66,025	59,451	56,546	58,285	528,547	486,985	8.5
Defense capital goods <sup>4</sup> .....	9,767	9,124	9,587	7.0	-4.8	-1.5	10,450	8,956	8,833	12,366	91,343	95,538	-4.4
Consumer goods.....	168,891	167,603	167,532	0.8	0.0	0.4	174,273	176,243	166,077	162,938	1,519,863	1,369,709	11.0
Consumer durable goods.....	24,499	24,600	25,403	-0.4	-3.2	4.4	26,522	25,725	20,703	24,929	216,360	205,116	5.5
Consumer nondurable goods.....	144,392	143,003	142,129	1.0	0.6	-0.3	147,751	150,518	145,374	138,009	1,303,503	1,164,593	11.9
<b>NEW ORDERS</b>													
All manufacturing industries <sup>5</sup> .....	420,024	411,259	411,101	2.1	0.0	0.5	438,172	423,790	398,090	397,714	3,706,390	3,279,658	13.0
Construction materials and supplies.....	40,035	40,419	40,195	-1.0	0.6	-2.6	43,422	43,886	41,413	43,049	373,053	354,144	5.3
Information technology.....	27,557	28,263	26,912	-2.5	5.0	-2.0	31,687	26,623	24,130	29,567	238,113	214,938	10.8
Computers and related products .....	6,746	6,610	5,946	2.1	11.2	-6.4	7,316	6,009	5,896	6,331	53,173	45,297	17.4
Motor vehicle and parts.....	30,596	30,680	32,318	-0.3	-5.1	4.6	33,353	32,690	25,011	31,030	268,139	238,362	12.5
Capital goods.....	82,553	75,737	75,051	9.0	0.9	-0.8	87,405	71,569	67,336	70,989	666,548	552,194	20.7
Nondefense capital goods <sup>3</sup> .....	72,391	66,371	65,505	9.1	1.3	-0.7	77,231	63,214	60,462	60,160	577,578	466,051	23.9
Excluding aircraft.....	62,909	63,011	59,953	-0.2	5.1	-5.3	67,659	60,706	56,558	59,012	539,656	461,991	16.8
Defense capital goods <sup>4</sup> .....	10,162	9,366	9,546	8.5	-1.9	-1.2	10,174	8,355	6,874	10,829	88,970	86,143	3.3
Consumer goods.....	169,001	167,375	167,450	1.0	0.0	0.5	174,373	175,928	166,114	162,947	1,520,181	1,369,105	11.0
Consumer durable goods.....	24,609	24,372	25,321	1.0	-3.7	4.7	26,622	25,410	20,740	24,938	216,678	204,512	5.9
Consumer nondurable goods.....	144,392	143,003	142,129	1.0	0.6	-0.3	147,751	150,518	145,374	138,009	1,303,503	1,164,593	11.9
<b>UNFILLED ORDERS</b>													
All manufacturing industries <sup>5</sup> .....	813,506	805,524	804,173	1.0	0.2	0.0	808,502	801,911	803,869	804,260	(X)	(X)	0.5
Construction materials and supplies.....	54,374	53,955	53,509	0.8	0.8	0.1	54,970	54,422	54,321	50,140	(X)	(X)	9.6
Information technology.....	119,567	119,348	118,275	0.2	0.9	-0.3	119,119	118,208	117,888	119,273	(X)	(X)	-0.1
Computers and related products .....	5,472	5,332	5,278	2.6	1.0	-7.1	5,472	5,332	5,278	4,777	(X)	(X)	14.5
Motor vehicle and parts.....	13,617	13,520	13,477	0.7	0.3	-2.3	13,329	13,274	13,568	14,282	(X)	(X)	-6.7
Capital goods.....	636,460	628,828	627,440	1.2	0.2	0.0	631,207	624,365	625,601	630,530	(X)	(X)	0.1
Nondefense capital goods <sup>3</sup> .....	496,135	488,898	487,752	1.5	0.2	0.0	493,297	486,179	486,814	486,255	(X)	(X)	1.4
Excluding aircraft.....	198,694	197,102	194,801	0.8	1.2	0.0	197,971	196,337	195,082	188,872	(X)	(X)	4.8
Defense capital goods <sup>4</sup> .....	140,325	139,930	139,688	0.3	0.2	0.0	137,910	138,186	138,787	144,275	(X)	(X)	-4.4
Consumer goods.....	8,420	8,310	8,538	1.3	-2.7	-1.0	8,335	8,235	8,550	7,499	(X)	(X)	11.1
Consumer durable goods.....	8,420	8,310	8,538	1.3	-2.7	-1.0	8,335	8,235	8,550	7,499	(X)	(X)	11.1
<b>TOTAL INVENTORIES</b>													
All manufacturing industries .....	531,179	527,696	525,722	0.7	0.4	0.9	532,447	532,464	530,257	506,049	(X)	(X)	5.2
Construction materials and supplies.....	55,153	55,165	55,101	0.0	0.1	0.0	55,019	55,204	55,285	53,555	(X)	(X)	2.7
Information technology.....	38,974	39,010	38,984	-0.1	0.1	0.0	38,596	39,694	39,092	37,567	(X)	(X)	2.7
Computers and related products .....	4,579	4,740	4,862	-3.4	-2.5	-2.0	4,580	5,019	4,834	4,353	(X)	(X)	5.2
Motor vehicle and parts.....	21,154	21,169	20,939	-0.1	1.1	0.9	21,079	21,282	20,987	17,825	(X)	(X)	18.3
Capital goods.....	150,699	149,001	147,637	1.1	0.9	0.7	149,646	150,037	148,445	140,773	(X)	(X)	6.3
Nondefense capital goods <sup>3</sup> .....	133,378	131,377	129,702	1.5	1.3	0.7	132,425	132,542	130,599	123,422	(X)	(X)	7.3
Excluding aircraft.....	102,457	101,934	101,304	0.5	0.6	0.8	101,526	102,837	101,363	98,329	(X)	(X)	3.3
Defense capital goods <sup>4</sup> .....	17,321	17,624	17,935	-1.7	-1.7	0.2	17,221	17,495	17,846	17,351	(X)	(X)	-0.7
Consumer goods.....	160,356	158,283	158,142	1.3	0.1	2.0	163,280	161,507	160,738	157,240	(X)	(X)	3.8
Consumer durable goods.....	23,110	23,099	22,777	0.0	1.4	1.6	23,259	23,524	22,899	21,358	(X)	(X)	8.9
Consumer nondurable goods.....	137,246	135,184	135,365	1.5	-0.1	2.1	140,021	137,983	137,839	135,882	(X)	(X)	3.0

X Not Applicable    <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> Topical series are regroupings of the separate industry categories.

<sup>3</sup> Nondefense capital goods industries include: small arms and ordnance; farm machinery and equipment; construction machinery; mining, oil, and gas field machinery; industrial machinery; vending, laundry, and other machinery; photographic equipment; metalworking machinery; turbines and generators; other power transmission equipment; pumps and compressors; material handling equipment; all other machinery; electronic computers; computer storage devices; other computer peripheral equipment; communications equipment; search and navigation equipment; electromedical, measuring, and control instruments; electrical equipment; other electrical equipment, appliances, and components; heavy duty trucks; aircraft; railroad rolling stock; ships and boats; office and institutional furniture; and medical equipment and supplies.

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

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

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

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

Table 6. Value of Manufacturers' Inventories, by Stage of Fabrication, by Industry Group<sup>1</sup>

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

Industry	Seasonally Adjusted						Not Seasonally Adjusted				
	Monthly			Percent Change			Monthly				Percent Change Sept. 10/09
	Sept. 2010 <sup>p</sup>	Aug. 2010 <sup>r</sup>	July 2010	Aug. - Sept.	July - Aug.	June - July	Sept. 2010 <sup>p</sup>	Aug. 2010 <sup>r</sup>	July 2010	Sept. 2009	
<b><u>MATERIALS AND SUPPLIES</u></b>											
All manufacturing industries.....	177,726	176,563	177,088	0.7	-0.3	0.7	178,332	177,024	178,720	171,713	3.9
Durable goods industries.....	106,019	106,014	105,914	0.0	0.1	-0.3	106,349	106,228	106,601	103,718	2.5
Wood products.....	3,272	3,274	3,236	-0.1	1.2	-0.6	3,398	3,276	3,170	3,246	4.7
Nonmetallic mineral products.....	4,513	4,558	4,577	-1.0	-0.4	0.5	4,515	4,567	4,601	4,714	-4.2
Primary metals.....	11,978	11,835	11,992	1.2	-1.3	-2.3	12,230	11,952	12,196	11,471	6.6
Fabricated metal products.....	15,207	15,435	15,459	-1.5	-0.2	-0.7	15,451	15,431	15,403	15,133	2.1
Machinery.....	20,033	19,973	19,714	0.3	1.3	0.5	19,945	20,030	19,829	19,981	-0.2
Computers and electronic products.....	14,954	15,048	15,201	-0.6	-1.0	0.3	15,133	15,172	15,251	15,334	-1.3
Electrical equipment, appliances, and components.....	5,781	5,801	5,704	-0.3	1.7	1.3	5,679	5,804	5,729	5,150	10.3
Transportation equipment.....	20,306	20,193	20,205	0.6	-0.1	-1.1	20,040	20,039	20,516	19,020	5.4
Furniture and related products.....	3,150	3,137	3,100	0.4	1.2	1.6	3,137	3,139	3,126	2,855	9.9
Miscellaneous products.....	6,825	6,760	6,726	1.0	0.5	0.3	6,821	6,818	6,780	6,814	0.1
Nondurable goods industries.....	71,707	70,549	71,174	1.6	-0.9	2.2	71,983	70,796	72,119	67,995	5.9
Food products.....	14,421	14,151	14,064	1.9	0.6	2.9	14,175	13,746	13,984	13,355	6.1
Beverage and tobacco products.....	4,157	4,152	4,155	0.1	-0.1	-1.2	4,061	3,951	3,999	4,144	-2.0
Textiles.....	1,167	1,164	1,150	0.3	1.2	1.5	1,165	1,170	1,155	1,076	8.3
Textile products.....	1,220	1,215	1,203	0.4	1.0	1.1	1,244	1,228	1,218	1,157	7.5
Apparel.....	714	689	665	3.6	3.6	3.7	719	695	681	619	16.2
Leather and allied products.....	345	346	336	-0.3	3.0	-0.6	356	356	344	341	4.4
Paper products.....	6,917	6,937	6,982	-0.3	-0.6	0.0	6,993	6,966	6,939	7,093	-1.4
Printing.....	2,349	2,385	2,355	-1.5	1.3	1.1	2,415	2,430	2,383	2,326	3.8
Petroleum and coal products.....	10,539	9,626	10,189	9.5	-5.5	11.6	10,866	10,194	11,075	9,567	13.6
Chemical products.....	21,771	21,776	21,968	0.0	-0.9	0.6	21,787	21,922	22,156	20,884	4.3
Plastics and rubber products.....	8,107	8,108	8,107	0.0	0.0	-0.5	8,202	8,138	8,185	7,433	10.3
<b><u>WORK IN PROCESS</u></b>											
All manufacturing industries.....	160,605	159,405	158,078	0.8	0.8	0.8	159,972	160,557	158,948	148,932	7.4
Durable goods industries.....	116,277	115,068	113,995	1.1	0.9	0.8	115,896	116,133	114,819	105,467	9.9
Wood products.....	1,650	1,635	1,682	0.9	-2.8	-2.3	1,650	1,642	1,695	1,619	1.9
Nonmetallic mineral products.....	1,341	1,318	1,324	1.7	-0.5	0.5	1,326	1,299	1,330	1,372	-3.4
Primary metals.....	8,596	8,713	8,717	-1.3	0.0	0.0	8,852	9,023	9,005	8,042	10.1
Fabricated metal products.....	11,633	11,621	11,625	0.1	0.0	1.0	11,636	11,695	11,779	10,563	10.2
Machinery.....	14,403	14,344	14,297	0.4	0.3	3.7	14,405	14,551	14,145	13,940	3.3
Computers and electronic products.....	20,580	20,562	20,263	0.1	1.5	-0.1	20,021	20,796	20,290	18,372	9.0
Electrical equipment, appliances, and components.....	3,280	3,224	3,189	1.7	1.1	1.7	3,221	3,282	3,240	2,956	9.0
Transportation equipment.....	50,405	49,305	48,568	2.2	1.5	0.5	50,402	49,463	48,955	44,775	12.6
Furniture and related products.....	1,015	1,012	1,030	0.3	-1.7	0.6	1,011	1,013	1,038	994	1.7
Miscellaneous products.....	3,374	3,334	3,300	1.2	1.0	0.0	3,372	3,369	3,342	2,834	19.0
Nondurable goods industries.....	44,328	44,337	44,083	0.0	0.6	0.7	44,076	44,424	44,129	43,465	1.4
Food products.....	3,466	3,541	3,465	-2.1	2.2	-0.6	3,186	3,090	2,945	3,237	-1.6
Beverage and tobacco products.....	5,482	5,601	5,795	-2.1	-3.3	-0.5	5,394	5,147	5,260	5,834	-7.5
Textiles.....	703	696	679	1.0	2.5	0.0	707	702	681	664	6.5
Textile products.....	496	495	484	0.2	2.3	-1.6	504	499	484	494	2.0
Apparel.....	371	368	368	0.8	0.0	0.5	378	381	385	344	9.9
Leather and allied products.....	78	77	76	1.3	1.3	-1.3	76	75	75	69	10.1
Paper products.....	1,406	1,401	1,398	0.4	0.2	4.7	1,400	1,421	1,404	1,329	5.3
Printing.....	1,269	1,269	1,289	0.0	-1.6	-3.4	1,338	1,321	1,303	1,454	-8.0
Petroleum and coal products.....	13,317	13,181	12,846	1.0	2.6	3.5	13,445	13,895	13,717	10,889	23.5
Chemical products.....	15,424	15,382	15,390	0.3	-0.1	-0.5	15,339	15,594	15,614	17,015	-9.9
Plastics and rubber products.....	2,316	2,326	2,293	-0.4	1.4	0.6	2,309	2,299	2,261	2,136	8.1
<b><u>FINISHED GOODS</u></b>											
All manufacturing industries.....	192,848	191,728	190,556	0.6	0.6	1.3	194,143	194,883	192,589	185,404	4.7
Durable goods industries.....	92,438	92,105	91,191	0.4	1.0	1.3	91,451	92,847	91,625	86,569	5.6
Wood products.....	3,947	3,942	3,950	0.1	-0.2	-1.2	3,907	3,920	3,914	3,891	0.4
Nonmetallic mineral products.....	5,465	5,372	5,332	1.7	0.8	0.2	5,269	5,272	5,356	5,419	-2.8
Primary metals.....	9,869	10,032	10,117	-1.6	-0.8	2.2	9,771	9,943	10,024	7,631	28.0
Fabricated metal products.....	14,933	14,993	14,888	-0.4	0.7	1.6	14,589	14,966	15,095	13,998	4.2
Machinery.....	17,605	17,421	17,289	1.1	0.8	1.4	17,193	17,204	17,109	16,430	4.6
Computers and electronic products.....	10,016	9,852	9,782	1.7	0.7	0.1	9,895	10,220	9,868	9,422	5.0
Electrical equipment, appliances, and components.....	5,727	5,615	5,551	2.0	1.2	1.9	5,770	5,671	5,640	5,448	5.9
Transportation equipment.....	11,984	12,025	11,604	-0.3	3.6	2.4	12,039	12,629	11,856	11,392	5.7
Furniture and related products.....	2,243	2,273	2,226	-1.3	2.1	-0.5	2,259	2,332	2,302	2,253	0.3
Miscellaneous products.....	10,649	10,580	10,452	0.7	1.2	1.0	10,759	10,690	10,461	10,685	0.7
Nondurable goods industries.....	100,410	99,623	99,365	0.8	0.3	1.3	102,692	102,036	100,964	98,835	3.9
Food products.....	23,606	23,287	23,007	1.4	1.2	-1.0	24,945	24,311	23,125	23,456	6.3
Beverage and tobacco products.....	5,711	5,691	5,663	0.4	0.5	-0.4	5,895	5,861	5,716	6,105	-3.4
Textiles.....	1,316	1,288	1,284	2.2	0.3	2.1	1,292	1,248	1,262	1,275	1.3
Textile products.....	1,285	1,270	1,260	1.2	0.8	0.6	1,284	1,278	1,255	1,151	11.6
Apparel.....	1,612	1,585	1,546	1.7	2.5	2.7	1,736	1,698	1,654	1,602	8.4
Leather and allied products.....	455	449	451	1.3	-0.4	1.8	467	471	472	489	-4.5
Paper products.....	5,894	5,853	5,815	0.7	0.7	0.5	5,818	5,811	5,801	5,812	0.1
Printing.....	1,738	1,739	1,746	-0.1	-0.4	-0.5	1,765	1,793	1,795	1,833	-3.7
Petroleum and coal products.....	17,904	17,232	17,350	3.9	-0.7	6.8	19,035	18,417	18,622	17,296	10.1
Chemical products.....	31,910	32,150	32,107	-0.7	0.1	0.8	31,591	32,217	32,261	30,884	2.3
Plastics and rubber products.....	8,979	9,079	9,136	-1.1	-0.6	0.1	8,864	8,931	9,001	8,932	-0.8

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

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

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

**Table 7. Ratios of Manufacturers' Inventories to Shipments and Unfilled Orders to Shipments, by Industry Group<sup>3</sup>**

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

Industry	Inventory/Shipments ratio				Unfilled Orders/Shipments ratio <sup>1</sup>			
	Sep 2010 <sup>P</sup>	Aug 2010 <sup>r</sup>	Jul 2010	Jun 2010	Sep 2010 <sup>P</sup>	Aug 2010 <sup>r</sup>	Jul 2010	Jun 2010
All manufacturing industries <sup>2</sup> .....	1.27	1.27	1.26	1.26	(X)	(X)	(X)	(X)
Durable goods industries <sup>2</sup> .....	1.59	1.58	1.55	1.58	5.64	5.61	5.53	5.59
Wood products.....	1.43	1.40	1.35	1.34	(X)	(X)	(X)	(X)
Nonmetallic mineral products.....	1.39	1.37	1.36	1.35	(X)	(X)	(X)	(X)
Primary metals.....	1.51	1.54	1.56	1.56	0.91	0.93	0.93	0.91
Fabricated metal products.....	1.53	1.54	1.55	1.52	2.04	2.05	2.05	2.02
Machinery.....	2.03	2.06	2.11	2.01	4.45	4.50	4.52	4.28
Computers and electronic products <sup>2</sup> .....	1.35	1.33	1.32	1.43	4.88	4.90	4.88	5.00
Electrical equipment, appliances, and components.....	1.55	1.52	1.50	1.49	2.88	2.79	2.75	2.77
Transportation equipment.....	1.69	1.66	1.53	1.63	13.59	13.32	12.44	13.31
Furniture and related products.....	1.15	1.16	1.14	1.12	1.33	1.31	1.28	1.36
Miscellaneous products.....	1.63	1.60	1.58	1.62	(X)	(X)	(X)	(X)
Nondurable goods industries.....	0.98	0.98	0.99	0.98	(X)	(X)	(X)	(X)
Food products.....	0.75	0.74	0.74	0.73	(X)	(X)	(X)	(X)
Beverage and tobacco products.....	1.42	1.43	1.49	1.45	(X)	(X)	(X)	(X)
Textiles.....	1.34	1.31	1.30	1.28	(X)	(X)	(X)	(X)
Textile products.....	1.65	1.63	1.61	1.57	(X)	(X)	(X)	(X)
Apparel.....	2.19	2.05	2.01	1.94	(X)	(X)	(X)	(X)
Leather and allied products.....	2.26	2.22	2.16	2.13	(X)	(X)	(X)	(X)
Paper products.....	0.98	0.99	0.99	1.00	(X)	(X)	(X)	(X)
Printing.....	0.74	0.75	0.75	0.75	(X)	(X)	(X)	(X)
Petroleum and coal products.....	0.83	0.81	0.82	0.77	(X)	(X)	(X)	(X)
Chemical products.....	1.14	1.16	1.18	1.18	(X)	(X)	(X)	(X)
Plastics and rubber products.....	1.27	1.27	1.27	1.27	(X)	(X)	(X)	(X)

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

<sup>1</sup> Excludes the following industries with no unfilled orders: Wood products; nonmetallic mineral products; medical equipment and supplies; office supplies; other miscellaneous manufacturing: cutlery and handtools; farm and garden machinery; computer storage and peripheral devices; audio and video equipment; manufacturing and reproducing magnetic and optical media; batteries; automobiles; light trucks and utility vehicles; heavy duty trucks; and miscellaneous furniture.

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

**Table 8. Revisions to Previously Published Monthly Percent Changes<sup>3</sup>**

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

Industry	Shipments		New Orders		Unfilled Orders		Inventories	
	Sep <sup>1</sup> 2010	Sep <sup>2</sup> 2009-Aug 2010	Sep <sup>1</sup> 2010	Sep <sup>2</sup> 2009-Aug 2010	Sep <sup>1</sup> 2010	Sep <sup>2</sup> 2009-Aug 2010	Sep <sup>1</sup> 2010	Sep <sup>2</sup> 2009-Aug 2010
	Sep <sup>1</sup> 2010	Aug 2010	Sep <sup>1</sup> 2010	Aug 2010	Sep <sup>1</sup> 2010	Aug 2010	Sep <sup>1</sup> 2010	Aug 2010
All manufacturing industries.....	(X)	0.3	(X)	0.5	(X)	0.1	(X)	0.2
Durable goods industries.....	0.3	0.5	0.2	0.6	0.0	0.1	0.0	0.2
Wood products.....	(X)	0.9	(X)	(NA)	(X)	(NA)	(X)	0.5
Nonmetallic mineral products.....	(X)	0.3	(X)	(NA)	(X)	(NA)	(X)	0.2
Primary metals.....	0.1	0.6	0.2	1.5	0.3	1.2	-0.1	0.3
Fabricated metal products.....	0.1	0.5	0.3	0.8	0.2	0.2	-0.4	0.2
Machinery.....	0.4	0.7	0.2	1.9	0.0	0.4	0.1	0.2
Computers and electronic products.....	1.0	1.1	1.3	1.1	0.0	0.2	0.2	0.3
Electrical equipment, appliances, and components.....	0.1	0.5	-0.6	1.3	0.1	0.4	0.0	0.4
Transportation equipment.....	0.2	1.1	0.1	1.4	0.0	0.1	-0.1	0.4
Furniture and related products.....	(X)	0.5	(X)	1.3	(X)	0.9	(X)	0.3
Miscellaneous products.....	(X)	0.3	(X)	0.4	(X)	0.4	(X)	0.2
Nondurable goods industries.....	(X)	0.3	(X)	(NA)	(X)	(NA)	(X)	0.3
Food products.....	(X)	0.2	(X)	(NA)	(X)	(NA)	(X)	0.3
Beverage and tobacco products.....	(X)	0.4	(X)	(NA)	(X)	(NA)	(X)	0.3
Textiles.....	(X)	1.0	(X)	(NA)	(X)	(NA)	(X)	0.7
Textile products.....	(X)	0.6	(X)	(NA)	(X)	(NA)	(X)	0.4
Apparel.....	(X)	1.0	(X)	(NA)	(X)	(NA)	(X)	0.5
Leather and allied products.....	(X)	0.6	(X)	(NA)	(X)	(NA)	(X)	0.6
Paper products.....	(X)	0.4	(X)	(NA)	(X)	(NA)	(X)	0.2
Printing.....	(X)	0.9	(X)	(NA)	(X)	(NA)	(X)	0.7
Petroleum and coal products.....	(X)	0.6	(X)	(NA)	(X)	(NA)	(X)	1.4
Chemical products.....	(X)	0.6	(X)	(NA)	(X)	(NA)	(X)	0.2
Plastics and rubber products.....	(X)	0.5	(X)	(NA)	(X)	(NA)	(X)	0.3

X Not Applicable

NA Not Available

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

<sup>2</sup> The twelve month revisions are the differences between the month-to-month percent changes of the preliminary and final estimates. The monthly averages are the simple averages of the absolute values of the differences for the months specified. The advance to final percent change revisions for the durable goods industries are shown in the advance report for the month.

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

## Survey Description

This report is compiled from results of the U.S. Census Bureau's Manufacturers' Shipments, Inventories, and Orders (M3) survey. This survey provides statistics on manufacturers' value of shipments, new orders (net of cancellations), end-of-month order backlog (unfilled orders), end-of-month total inventory (at current cost or market value), and inventories by stage of fabrication (materials and supplies, work-in-process, and finished goods). The M3 includes approximately 4,300 reporting units. Units may be divisions of diversified large companies, large homogenous companies, or single-unit manufacturers in 89 industry categories. Due to the small monthly sample, these 89 categories have been combined into 64 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>.

### 2011 Release Dates for M3 Survey

<b>Survey Month</b>	<b>Advance 8:30 A.M.</b>	<b>Preliminary 10:00 A.M.</b>
November 2010	Dec. 23, 2010	Jan. 4, 2011
December 2010	Jan. 27, 2011	Feb. 3, 2011
January 2011	Feb. 24, 2011	Mar. 4, 2011
February 2011	Mar. 24, 2011	Mar. 31, 2011
March 2011	Apr. 27, 2011	May 3, 2011
April 2011	May 25, 2011	Jun. 2, 2011
May 2011	Jun. 24, 2011	Jul. 5, 2011
June 2011	Jul. 27, 2011	Aug. 3, 2011
July 2011	Aug. 24, 2011	Aug. 31, 2011
August 2011	Sep. 28, 2011	Oct. 4, 2011
September 2011	Oct. 26, 2011	Nov. 3, 2011
October 2011	Nov. 23, 2011	Dec. 5, 2011
November 2011	Dec. 23, 2011	