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

Summary

New orders for manufactured goods in December, up three of the last four months, increased \$8.6 billion or 1.8 percent to \$484.8 billion, the U.S. Census Bureau reported today. This followed a 0.3 percent November decrease. Excluding transportation, new orders increased 0.2 percent.

Shipments, up five of the last six months, increased \$1.8 billion or 0.4 percent to \$484.9 billion. This followed a 0.3 percent November increase.

Unfilled orders, up six of the last seven months, increased \$7.9 billion or 0.8 percent to \$991.7 billion. This followed a slight November increase. The unfilled orders-to-shipments ratio was 6.12, down from 6.13 in November.

Inventories, up following two consecutive monthly decreases, increased \$0.5 billion or 0.1 percent to \$615.5 billion. This followed a slight November decrease. The inventories-to-shipments ratio was 1.27, unchanged from November.

New Orders

New orders for manufactured durable goods in December, up seven of the last eight months, increased \$9.4 billion or 4.3 percent to \$230.0 billion, revised from the previously published 4.6 percent increase. This followed a 0.6 percent November increase.

Transportation equipment, up following two consecutive monthly decreases, had the largest increase, \$7.9 billion or 11.7 percent to \$75.6 billion.

New orders for manufactured nondurable goods decreased \$0.8 billion or 0.3 percent to \$254.8 billion.

Shipments

Shipments of manufactured durable goods in December, up five of the last six months, increased \$2.6 billion or 1.1 percent to \$230.1 billion, revised from the previously published 1.3 percent increase. This followed a 1.8 percent November increase.

Primary metals, up three of the last four months, had

the largest increase, \$1.2 billion or 4.0 percent to \$30.5 billion.

Shipments of manufactured nondurable goods, down two consecutive months, decreased \$0.8 billion or 0.3 percent to \$254.8 billion. This followed a 1.0 percent November decrease. Beverage and tobacco products, down following two consecutive monthly increases, led the decrease, down \$0.5 billion or 4.3 percent to \$12.2 billion.

Unfilled Orders

Unfilled orders for manufactured durable goods in December, up six of the last seven months, increased \$7.9 billion or 0.8 percent to \$991.7 billion, unchanged from the previously published increase. This followed a slight November increase.

Transportation equipment, also up six of the last seven months, drove the increase, up \$9.0 billion or 1.5 percent to \$588.6 billion.

Inventories

Inventories of manufactured durable goods in December, down following fourteen consecutive monthly increases, decreased \$0.1 billion to \$374.5 billion, unchanged from the previously published increase. This followed a 0.1 percent November increase.

Machinery, down four consecutive months, drove the decrease, down \$0.4 billion or 0.5 percent to \$66.1 billion.

Inventories of manufactured nondurable goods, up following two consecutive monthly decreases, increased \$0.6 billion or 0.2 percent to \$241.0 billion. This followed a 0.3 percent November decrease. Chemical products, up three of the last four months, drove the increase, up \$0.6 billion or 0.8 percent to \$72.2 billion.

By stage of fabrication, December materials and supplies decreased 0.3 percent in durable goods and increased 0.4 percent in nondurable goods. Work in process increased 0.4 percent in durable goods and decreased 0.9 percent in nondurable goods. Finished goods decreased 0.3 percent in durable goods and increased 0.6 percent in nondurable goods.

Figures in text are adjusted for seasonality, but not for inflation. Figures on new and unfilled orders exclude data for semiconductor manufacturing. For data, call (301) 763-4673 or go to <http://www.census.gov/m3>. The advance report on durable goods for January is scheduled for release on February 27, 2013, at 8:30 a.m. EST and the full report on March 6, 2013, at 10:00 a.m. EST. See back page for survey description. To receive the latest updates on the Nation's key economic indicators, download the America's Economy app for Apple and Android smartphones and tablets.

Table 1. Value of Manufacturers' Shipments for Industry Groups¹**[Estimates are shown in millions of dollars and are based on data from the Manufacturers' Shipments, Inventories, and Orders Survey.]**

Industry	Seasonally Adjusted						Not Seasonally Adjusted						
	Monthly			Percent Change			Monthly			Year to date			
	Dec. 2012 ^p	Nov. 2012 ^f	Oct. 2012	Nov. - Dec.	Oct. - Nov.	Sep. - Oct.	Dec. 2012 ^p	Nov. 2012 ^f	Oct. 2012	Dec. 2011	2012 ^p	2011	Percent 2012/ 2011
All manufacturing industries.....	484,856	483,057	481,734	0.4	0.3	0.3	465,586	469,120	496,566	457,062	5,727,500	5,491,351	4.3
Excluding transportation.....	418,211	417,348	417,539	0.2	0.0	0.4	399,263	403,599	428,948	397,097	4,956,032	4,797,317	3.3
Excluding defense.....	473,476	472,056	470,880	0.3	0.2	0.3	452,854	457,928	486,208	444,655	5,596,916	5,357,441	4.5
With unfilled orders.....	162,106	160,541	157,791	1.0	1.7	0.4	159,565	155,118	160,315	156,007	1,894,098	1,779,631	6.4
Durable goods industries.....	230,080	227,497	223,498	1.1	1.8	0.0	222,611	220,232	233,037	215,229	2,691,061	2,515,078	7.0
Wood products.....	6,201	6,210	6,317	-0.1	-1.7	2.0	5,405	5,860	6,775	5,099	73,765	68,946	7.0
Nonmetallic mineral products.....	8,232	8,165	8,156	0.8	0.1	0.5	7,043	7,988	8,977	7,159	97,405	94,179	3.4
Primary metals.....	30,537	29,374	28,094	4.0	4.6	-0.5	25,760	27,017	28,429	26,126	342,859	304,926	12.4
Iron and steel mills.....	10,855	10,906	10,705	-0.5	1.9	-0.4	9,442	9,708	10,454	10,784	133,709	138,087	-3.2
Aluminum and nonferrous metals.....	17,891	16,684	15,617	7.2	6.8	-0.7	14,779	15,673	16,186	13,721	187,516	147,289	27.3
Ferrous metal foundries.....	1,791	1,784	1,772	0.4	0.7	0.1	1,539	1,636	1,789	1,621	21,634	19,550	10.7
Fabricated metal products.....	27,277	27,387	27,286	-0.4	0.4	0.3	24,760	26,323	28,948	25,362	329,270	317,125	3.8
Machinery.....	33,278	33,645	32,593	-1.1	3.2	1.2	33,755	31,908	33,052	32,601	389,244	356,866	9.1
Farm machinery.....	2,025	2,083	1,715	-2.8	21.5	8.3	1,655	1,599	1,605	1,875	25,061	29,023	-13.7
Construction machinery.....	6,047	5,944	5,571	1.7	6.7	0.1	6,118	6,087	6,229	4,192	60,931	43,897	38.8
Mining, oil field, and gas field machinery.....	1,993	2,072	2,119	-3.8	-2.2	0.9	2,247	1,934	2,116	2,223	24,978	23,678	5.5
Industrial machinery.....	3,515	3,615	3,537	-2.8	2.2	3.3	4,262	3,164	3,512	3,657	39,975	35,248	13.4
Photographic equipment.....	680	664	653	2.4	1.7	3.3	744	688	681	725	7,922	8,047	-1.6
Ventilation, heating, air-conditioning, and refrigeration equipment.....	3,135	3,223	3,208	-2.7	0.5	3.9	2,906	2,940	2,883	2,737	37,560	35,073	7.1
Metalworking machinery.....	2,540	2,601	2,533	-2.3	2.7	1.5	2,711	2,604	2,673	2,655	29,663	25,225	17.6
Turbines, generators, and other power transmission equipment.....	3,384	3,499	3,389	-3.3	3.2	-1.0	3,284	3,483	3,507	4,537	43,215	42,597	1.5
Material handling equipment.....	2,903	2,864	2,887	1.4	-0.8	1.6	2,907	2,812	2,986	2,850	33,676	30,691	9.7
Computers and electronic products ²	28,700	27,795	27,948	3.3	-0.5	-0.4	30,821	26,815	29,918	30,333	338,981	340,812	-0.5
Computers.....	1,198	969	866	23.6	11.9	-23.2	1,437	949	976	1,575	13,637	18,491	-26.3
Computer storage devices.....	628	613	662	2.4	-7.4	1.4	1,030	483	487	1,250	8,814	8,207	7.4
Other peripheral equipment.....	916	842	842	8.8	0.0	-7.6	1,488	791	748	1,450	10,719	10,704	0.1
Nondefense communications equipment.....	2,774	2,695	2,794	2.9	-3.5	4.8	3,647	2,666	2,569	3,411	32,716	33,113	-1.2
Defense communications equipment....	332	394	496	-15.7	-20.6	43.8	324	420	500	705	4,755	6,260	-24.0
Audio and video equipment.....	257	256	232	0.4	10.3	-10.1	412	387	263	382	3,007	2,819	6.7
Electronic components.....	3,438	3,453	3,477	-0.4	-0.7	0.0	3,743	3,333	3,416	3,929	42,535	43,517	-2.3
Nondefense search and navigation equipment.....	1,346	1,292	1,269	4.2	1.8	-3.3	1,426	1,233	1,243	1,413	15,645	15,503	0.9
Defense search and navigation equipment.....	2,964	2,930	2,983	1.2	-1.8	-1.6	3,297	2,998	2,933	3,306	35,471	35,646	-0.5
Electromedical, measuring, and control instruments.....	6,373	6,495	6,247	-1.9	4.0	-1.1	7,085	6,337	5,859	7,697	79,256	82,018	-3.4
Electrical equipment, appliances, and components.....	10,000	9,998	9,850	0.0	1.5	0.5	9,565	9,846	10,064	9,502	119,300	116,336	2.5
Electric lighting equipment.....	888	880	884	0.9	-0.5	2.9	927	858	916	935	10,746	11,180	-3.9
Household appliances.....	1,559	1,593	1,609	-2.1	-1.0	0.6	1,439	1,623	1,653	1,486	18,833	18,000	4.6
Electrical equipment.....	3,065	3,008	2,965	1.9	1.5	-1.2	2,981	2,786	2,824	2,964	36,858	35,980	2.4
Batteries.....	1,003	1,035	975	-3.1	6.2	-2.6	972	1,259	1,168	957	11,856	11,326	4.7
Transportation equipment.....	66,645	65,709	64,195	1.4	2.4	-0.3	66,323	65,521	67,618	59,965	771,468	694,034	11.2
Automobiles.....	10,114	9,881	9,073	2.4	8.9	2.7	9,113	9,929	10,113	7,275	107,311	85,430	25.6
Light trucks and utility vehicles.....	13,005	12,947	12,796	0.4	1.2	-6.9	12,043	12,958	14,629	11,190	160,100	139,374	14.9
Heavy duty trucks.....	2,300	2,254	2,188	2.0	3.0	0.5	2,168	2,140	2,251	2,553	29,091	26,915	8.1
Motor vehicle bodies, parts, and trailers.....	19,129	19,157	18,735	-0.1	2.3	2.3	16,386	19,053	20,600	16,216	225,202	214,331	5.1
Nondefense aircraft and parts.....	10,784	10,529	10,477	2.4	0.5	0.5	14,115	10,568	9,457	10,907	117,754	95,944	22.7
Defense aircraft and parts.....	4,927	4,744	4,526	3.9	4.8	1.6	5,835	4,811	4,158	5,335	55,643	54,081	2.9
Ships and boats.....	2,286	2,251	2,276	1.6	-1.1	4.8	2,257	2,185	2,256	2,192	26,745	26,608	0.5
Furniture and related products.....	5,415	5,430	5,433	-0.3	-0.1	0.2	5,159	5,201	5,378	5,072	64,377	61,860	4.1
Miscellaneous durable goods.....	13,795	13,784	13,626	0.1	1.2	-1.5	14,020	13,753	13,878	14,010	164,392	159,994	2.7
Nondurable goods industries.....	254,776	255,560	258,236	-0.3	-1.0	0.5	242,975	248,888	263,529	241,833	3,036,439	2,976,273	2.0
Food products.....	62,278	61,980	61,406	0.5	0.9	1.0	62,102	64,050	65,138	60,510	730,312	711,489	2.6
Grain and oilseed milling.....	8,533	8,508	8,353	0.3	1.9	1.0	8,429	9,015	9,396	8,013	98,981	95,736	3.4
Dairy products.....	8,546	8,581	8,473	-0.4	1.3	3.1	8,444	8,941	8,760	8,581	100,098	104,400	-4.1
Meat, poultry, and seafood products....	17,058	16,884	16,811	1.0	0.4	1.2	16,808	17,083	17,237	16,450	201,241	197,515	1.9
Beverage and tobacco products.....	12,224	12,772	12,591	-4.3	1.4	2.4	12,131	12,833	12,574	12,050	149,359	141,492	5.6
Beverages.....	9,479	9,204	9,150	3.0	0.6	-0.5	9,386	9,265	9,133	8,956	109,508	101,620	7.8
Tobacco.....	2,745	3,568	3,441	-23.1	3.7	11.1	2,745	3,568	3,441	3,094	39,851	39,872	-0.1
Textile mills.....	2,510	2,498	2,486	0.5	0.5	0.8	2,174	2,377	2,526	2,142	29,775	30,196	-1.4
Textile products.....	1,962	1,975	1,977	-0.7	-0.1	0.8	1,716	1,902	1,997	1,706	23,523	22,543	4.3
Apparel.....	1,261	1,280	1,326	-1.5	-3.5	3.8	1,180	1,474	1,538	1,202	15,321	14,644	4.6
Leather and allied products.....	457	444	457	2.9	-2.8	4.6	432	407	473	420	5,437	5,415	0.4
Paper products.....	13,831	13,877	13,943	-0.3	-0.5	0.6	13,310	13,604	14,481	13,624	167,132	170,037	-1.7
Pulp, paper, and paperboard mills.....	6,532	6,592	6,578	-0.9	0.2	1.2	6,385	6,373	6,809	6,504	78,570	80,006	-1.8
Paperboard containers.....	4,046	4,047	4,055	0.0	-0.2	-0.7	3,789	3,970	4,278	3,903	48,960	50,046	-2.2
Printing.....	6,544	6,613	6,733	-1.0	-1.8	1.0	6,521	6,847	7,238	6,745	80,365	81,839	-1.8
Petroleum and coal products.....	73,252	73,687	77,410	-0.6	-4.8	0.1	68,938	69,612	76,881	67,200	871,984	831,464	4.9
Petroleum refineries.....	69,084	69,512	73,251	-0.6	-5.1	0.0	65,945	65,841	72,190	64,241	821,479	783,640	4.8
Chemical products.....	62,713	62,698	62,393	0.0	0.5	-0.1	58,587	59,004	62,657	60,419	753,049	764,806	-1.5
Pesticides, fertilizers, and other agricultural chemicals.....	3,471	3,618	3,374	-4.1	7.2	3.4	2,647	3,013	2,603	2,381	37,892	35,320	7.3
Pharmaceuticals and medicines.....	13,333	13,173	13,455	1.2	-2.1	-0.3	13,365	13,092	14,363	14,847	167,268	179,707	-6.9
Paints, coatings, and adhesives.....	2,902	2,786	2,740	4.2	1.7	0.1	2,323	2,433	2,794	2,322	33,987	32,276	5.3
Plastics and rubber products.....	17,744	17,736	17,514	0.0	1.3	0.8	15,884	16,778	18,026	15,815	210,182	202,348	3.9

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

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

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

Table 2. Value of Manufacturers' New Orders for Industry Groups¹**[Estimates are shown in millions of dollars and are based on data from the Manufacturers' Shipments, Inventories, and Orders Survey.]**

Industry	Seasonally Adjusted						Not Seasonally Adjusted						
	Monthly			Percent Change			Monthly				Year to date		
	Dec. 2012 ^P	Nov. 2012 ^F	Oct. 2012	Nov. - Dec.	Oct. - Nov.	Sep. - Oct.	Dec. 2012 ^P	Nov. 2012 ^F	Oct. 2012	Dec. 2011	2012 ^P	2011	Percent 2012/ 2011
All manufacturing industries ²	484,760	476,116	477,438	1.8	-0.3	0.8	482,072	458,624	485,995	481,076	5,664,517	5,501,484	3.0
Excluding transportation ²	409,151	408,439	409,267	0.2	-0.2	1.0	392,695	392,842	416,954	397,437	4,860,273	4,761,053	2.1
Excluding defense ²	466,255	465,055	466,604	0.3	-0.3	0.8	457,721	449,410	477,300	467,342	5,527,303	5,363,012	3.1
With unfilled orders ²	169,996	160,981	161,073	5.6	-0.1	2.0	182,438	151,307	160,074	184,721	1,917,396	1,869,280	2.6
Durable goods industries ²	229,984	220,556	219,202	4.3	0.6	1.1	239,097	209,736	222,466	239,243	2,628,078	2,525,211	4.1
Primary metals.....	29,554	28,650	28,645	3.2	0.0	2.4	25,504	26,903	28,677	28,425	336,573	307,778	9.4
Iron and steel mills.....	10,224	10,560	11,210	-3.2	-5.8	6.5	9,338	9,742	10,516	12,678	129,418	137,952	-6.2
Aluminum and nonferrous metals.....	17,579	16,404	15,654	7.2	4.8	-0.7	14,625	15,602	16,377	14,018	185,648	149,551	24.1
Ferrous metal foundries.....	1,751	1,686	1,781	3.9	-5.3	5.7	1,541	1,559	1,784	1,729	21,507	20,275	6.1
Fabricated metal products.....	28,233	27,875	27,173	1.3	2.6	0.6	25,903	25,702	27,961	25,529	333,799	323,096	3.3
Machinery.....	31,343	31,694	30,976	-1.1	2.3	3.5	30,999	29,519	31,953	34,628	374,169	388,402	-3.7
Construction machinery.....	4,978	4,438	4,320	12.2	2.7	-9.1	5,183	4,721	5,266	4,380	52,569	50,295	4.5
Mining, oil field, and gas field machinery.....	2,450	2,203	2,032	11.2	8.4	-1.4	2,348	1,904	2,176	2,590	23,582	30,268	-22.1
Industrial machinery.....	3,290	3,407	3,161	-3.4	7.8	0.1	3,886	2,896	3,280	3,596	38,662	35,050	10.3
Photographic equipment.....	656	800	666	-18.0	20.1	5.9	508	795	679	477	8,274	7,981	3.7
Ventilation, heating, air-conditioning, and refrigeration equipment.....	3,029	3,190	3,554	-5.0	-10.2	11.1	2,677	2,695	3,023	2,816	37,178	36,454	2.0
Metalworking machinery.....	2,510	2,454	2,568	2.3	-4.4	2.4	2,652	2,390	2,813	2,735	29,207	27,032	8.0
Turbines, generators, and other power transmission equipment.....	2,845	3,294	3,007	-13.6	9.5	11.9	3,119	3,322	3,056	5,598	40,945	51,413	-20.4
Material handling equipment.....	2,815	2,928	2,843	-3.9	3.0	10.7	2,875	2,827	2,736	3,069	33,854	31,606	7.1
Computers and electronic products ²	21,696	20,848	20,685	4.1	0.8	1.8	26,970	18,976	19,515	26,361	260,142	260,496	-0.1
Computers.....	1,172	1,102	919	6.4	19.9	-20.4	1,411	1,082	1,029	1,563	13,830	18,383	-24.8
Nondefense communications equipment.....	3,334	3,253	3,095	2.5	5.1	23.1	4,405	2,602	2,957	3,708	37,060	33,048	12.1
Defense communications equipment.....	525	404	394	30.0	2.5	40.7	695	256	334	424	4,402	4,884	-9.9
Electronic components.....	3,565	3,553	3,610	0.3	-1.6	3.2	3,813	3,341	3,519	3,824	42,784	43,678	-2.0
Nondefense search and navigation equipment.....	1,556	1,503	1,684	3.5	-10.7	0.1	1,351	1,561	1,679	1,311	19,726	16,470	19.8
Defense search and navigation equipment.....	2,899	2,610	2,704	11.1	-3.5	1.2	4,262	2,269	2,494	4,008	34,927	34,442	1.4
Electromedical, measuring, and control instruments.....	6,356	6,237	6,041	1.9	3.2	-1.9	7,558	5,671	5,411	7,926	78,728	82,843	-5.0
Electrical equipment, appliances, and components.....	9,913	10,231	9,966	-3.1	2.7	5.5	9,232	10,019	10,144	9,839	118,994	119,935	-0.8
Electric lighting equipment.....	910	922	916	-1.3	0.7	5.3	878	878	919	846	10,789	11,236	-4.0
Household appliances.....	1,594	1,596	1,619	-0.1	-1.4	0.9	1,401	1,649	1,651	1,464	18,813	18,112	3.9
Electrical equipment.....	3,224	3,138	3,068	2.7	2.3	7.9	2,946	2,953	2,943	2,868	37,121	37,296	-0.5
Transportation equipment.....	75,609	67,677	68,171	11.7	-0.7	-0.6	89,377	65,782	69,041	83,639	804,244	740,431	8.6
Motor vehicle bodies, parts, and trailers.....	18,715	18,933	18,635	-1.2	1.6	3.5	16,467	19,300	20,456	17,016	223,859	214,906	4.2
Nondefense aircraft and parts.....	14,062	12,770	14,652	10.1	-12.8	0.2	27,686	11,906	12,353	32,192	150,432	140,147	7.3
Defense aircraft and parts.....	7,914	5,060	5,669	56.4	-10.7	-4.3	10,387	4,766	4,997	6,753	62,142	57,300	8.5
Ships and boats.....	4,875	1,609	1,686	203.0	-4.6	7.8	4,918	1,379	1,410	1,128	23,415	26,523	-11.7
Furniture and related products.....	5,408	5,363	5,427	0.8	-1.2	-1.1	4,644	5,175	5,485	4,570	64,532	61,921	4.2
Nondurable goods industries.....	254,776	255,560	258,236	-0.3	-1.0	0.5	242,975	248,888	263,529	241,833	3,036,439	2,976,273	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				
	Monthly			Percent Change			Monthly				Percent Change Dec. 12/11
	Dec. 2012 ^p	Nov. 2012 ^r	Oct. 2012	Nov. - Dec.	Oct. - Nov.	Sep. - Oct.	Dec. 2012 ^p	Nov. 2012 ^r	Oct. 2012	Dec. 2011	
All manufacturing industries ²	991,736	983,846	983,406	0.8	0.0	0.3	989,221	966,348	970,159	965,923	2.4
Excluding transportation ²	403,113	404,187	405,715	-0.3	-0.4	-0.2	395,779	395,960	400,032	405,257	-2.3
Excluding defense ²	794,681	793,916	793,536	0.1	0.0	0.4	793,076	781,822	783,655	776,408	2.1
Durable goods industries ²	991,736	983,846	983,406	0.8	0.0	0.3	989,221	966,348	970,159	965,923	2.4
Primary metals.....	30,250	31,233	31,957	-3.1	-2.3	1.8	29,716	29,972	30,086	36,002	-17.5
Iron and steel mills.....	16,662	17,293	17,639	-3.6	-2.0	2.9	16,128	16,232	16,198	20,419	-21.0
Aluminum and nonferrous metals.....	10,317	10,629	10,909	-2.9	-2.6	0.3	10,358	10,512	10,583	12,226	-15.3
Ferrous metal foundries.....	3,271	3,311	3,409	-1.2	-2.9	0.3	3,230	3,228	3,305	3,357	-3.8
Fabricated metal products.....	84,197	83,241	82,753	1.1	0.6	-0.1	81,900	80,757	81,378	77,371	5.9
Machinery.....	122,146	124,081	126,032	-1.6	-1.5	-1.3	119,387	122,143	124,532	134,462	-11.2
Construction machinery.....	19,062	20,131	21,637	-5.3	-7.0	-5.5	18,457	19,392	20,758	26,819	-31.2
Mining, oil field, and gas field machinery.....	19,190	18,733	18,602	2.4	0.7	-0.5	18,795	18,694	18,724	20,191	-6.9
Industrial machinery.....	7,352	7,577	7,785	-3.0	-2.7	-4.6	7,083	7,459	7,727	8,396	-15.6
Photographic equipment.....	2,997	3,021	2,885	-0.8	4.7	0.5	2,814	3,050	2,943	2,462	14.3
Ventilation, heating, air-conditioning, and refrigeration equipment.....	8,681	8,787	8,820	-1.2	-0.4	4.1	8,008	8,237	8,482	8,390	-4.6
Metalworking machinery.....	7,026	7,056	7,203	-0.4	-2.0	0.5	6,852	6,911	7,125	7,308	-6.2
Turbines, generators, and other power transmission equipment.....	25,016	25,555	25,760	-2.1	-0.8	-1.5	25,227	25,392	25,553	27,497	-8.3
Material handling equipment.....	8,054	8,142	8,078	-1.1	0.8	-0.5	7,911	7,943	7,928	7,733	2.3
Computers and electronic products ²	138,154	137,172	136,738	0.7	0.3	0.2	137,554	135,018	136,172	130,112	5.7
Computers.....	1,349	1,375	1,242	-1.9	10.7	4.5	1,349	1,375	1,242	1,156	16.7
Nondefense communications equipment.....	29,795	29,235	28,677	1.9	1.9	1.1	29,731	28,973	29,037	25,387	17.1
Defense communications equipment.....	5,251	5,058	5,048	3.8	0.2	-2.0	5,221	4,850	5,014	5,574	-6.3
Electronic components.....	13,485	13,358	13,258	1.0	0.8	1.0	13,317	13,247	13,239	13,068	1.9
Nondefense search and navigation equipment.....	14,326	14,116	13,905	1.5	1.5	3.1	14,158	14,233	13,905	10,077	40.5
Defense search and navigation equipment.....	45,328	45,393	45,713	-0.1	-0.7	-0.6	45,304	44,339	45,068	45,848	-1.2
Electromedical, measuring, and control instruments.....	28,620	28,637	28,895	-0.1	-0.9	-0.7	28,474	28,001	28,667	29,002	-1.8
Electrical equipment, appliances, and components.....	21,015	21,102	20,869	-0.4	1.1	0.6	20,422	20,755	20,582	20,728	-1.5
Electric lighting equipment.....	1,126	1,104	1,062	2.0	4.0	3.1	1,078	1,127	1,107	1,035	4.2
Household appliances.....	713	678	675	5.2	0.4	1.5	629	667	641	649	-3.1
Electrical equipment.....	10,046	9,887	9,757	1.6	1.3	1.1	9,769	9,804	9,637	9,506	2.8
Transportation equipment.....	588,623	579,659	577,691	1.5	0.3	0.7	593,442	570,388	570,127	560,666	5.8
Motor vehicle bodies, parts, and trailers.....	15,386	15,800	16,024	-2.6	-1.4	-0.6	15,775	15,694	15,447	17,118	-7.8
Nondefense aircraft and parts.....	413,446	410,168	407,927	0.8	0.5	1.0	418,435	404,864	403,526	385,757	8.5
Defense aircraft and parts.....	66,150	63,163	62,847	4.7	0.5	1.9	65,855	61,303	61,348	59,356	10.9
Ships and boats.....	19,154	16,565	17,207	15.6	-3.7	-3.3	18,458	15,797	16,603	21,788	-15.3
Furniture and related products.....	6,378	6,385	6,452	-0.1	-1.0	-0.1	5,827	6,342	6,368	5,672	2.7

^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 Dec. 12/11
	Dec. 2012 ^p	Nov. 2012 ^r	Oct. 2012	Nov. - Dec.	Oct. - Nov.	Sep. - Oct.	Dec. 2012 ^p	Nov. 2012 ^r	Oct. 2012	Dec. 2011	
All manufacturing industries.....	615,463	614,983	615,204	0.1	0.0	0.0	598,525	615,002	618,373	583,943	2.5
Excluding transportation.....	500,760	500,425	501,673	0.1	-0.2	-0.2	487,553	500,000	504,365	481,990	1.2
Excluding defense.....	589,469	588,678	589,582	0.1	-0.2	0.0	572,723	588,660	592,764	558,465	2.6
With unfilled orders.....	303,888	303,825	303,298	0.0	0.2	0.3	294,420	304,135	303,550	280,981	4.8
Durable goods industries.....	374,476	374,554	374,011	0.0	0.1	0.3	363,396	375,163	374,411	348,124	4.4
Wood products.....	9,168	9,157	9,083	0.1	0.8	0.3	9,117	9,223	9,184	8,791	3.7
Nonmetallic mineral products.....	11,547	11,604	11,643	-0.5	-0.3	0.0	11,321	11,322	11,326	11,214	1.0
Primary metals.....	34,972	34,575	34,543	1.1	0.1	0.8	34,073	33,931	34,297	34,199	-0.4
Iron and steel mills.....	20,382	20,133	19,993	1.2	0.7	0.6	19,628	19,617	19,825	20,292	-3.3
Aluminum and nonferrous metals.....	12,445	12,329	12,418	0.9	-0.7	1.3	12,338	12,211	12,343	11,873	3.9
Ferrous metal foundries.....	2,145	2,113	2,132	1.5	-0.9	-0.8	2,107	2,103	2,129	2,034	3.6
Fabricated metal products.....	46,102	46,021	46,214	0.2	-0.4	0.3	45,107	45,644	46,011	44,740	0.8
Machinery.....	66,141	66,503	66,857	-0.5	-0.5	-0.2	63,465	67,089	66,780	59,511	6.6
Farm machinery.....	3,824	3,807	3,798	0.4	0.2	0.5	3,807	3,657	3,433	3,573	6.5
Construction machinery.....	5,356	5,702	5,962	-6.1	-4.4	-1.4	5,223	5,745	5,960	5,224	0.0
Mining, oil field, and gas field machinery.....	8,029	7,948	7,900	1.0	0.6	0.8	7,627	7,886	7,779	6,702	13.8
Industrial machinery.....	7,123	7,170	7,185	-0.7	-0.2	0.3	6,972	7,330	7,191	7,236	-3.6
Photographic equipment.....	1,455	1,456	1,454	-0.1	0.1	-0.9	1,364	1,519	1,507	1,305	4.5
Ventilation, heating, air-conditioning, and refrigeration equipment.....	4,182	4,143	4,079	0.9	1.6	0.1	3,791	4,073	4,047	3,535	7.2
Metalworking machinery.....	5,663	5,581	5,566	1.5	0.3	1.3	5,459	5,634	5,690	4,937	10.6
Turbines, generators, and other power transmission equipment.....	10,731	10,899	11,042	-1.5	-1.3	-1.5	9,865	11,320	11,367	8,586	14.9
Material handling equipment.....	4,304	4,387	4,484	-1.9	-2.2	0.0	4,101	4,461	4,528	3,748	9.4
Computers and electronic products ²	46,402	46,538	46,501	-0.3	0.1	-0.2	45,099	47,157	46,883	44,055	2.4
Computers.....	1,038	1,096	1,175	-5.3	-6.7	5.5	974	1,156	1,197	1,220	-20.2
Computer storage devices.....	1,093	1,090	1,058	0.3	3.0	2.2	992	1,130	1,101	1,002	-1.0
Other peripheral equipment.....	1,601	1,629	1,645	-1.7	-1.0	-0.7	1,467	1,692	1,677	1,565	-6.3
Nondefense communications equipment.....	6,878	6,915	6,937	-0.5	-0.3	-0.8	6,741	7,186	7,044	6,534	3.2
Defense communications equipment.....	1,327	1,356	1,490	-2.1	-9.0	-7.8	1,327	1,356	1,490	1,742	-23.8
Audio and video equipment.....	692	605	679	14.4	-10.9	-0.1	672	666	778	598	12.4
Electronic components.....	7,591	7,406	7,333	2.5	1.0	-0.3	7,364	7,424	7,400	6,784	8.5
Nondefense search and navigation equipment.....	3,442	3,441	3,369	0.0	2.1	1.3	3,350	3,426	3,422	3,188	5.1
Defense search and navigation equipment.....	2,783	2,795	2,717	-0.4	2.9	0.6	2,670	2,757	2,704	2,628	1.6
Electromedical, measuring and control instruments.....	12,225	12,149	11,941	0.6	1.7	0.3	11,848	12,351	11,965	11,374	4.2
Electrical equipment, appliances, and components.....	15,625	15,660	15,731	-0.2	-0.5	1.1	15,031	15,533	15,658	14,379	4.5
Electric lighting equipment.....	1,846	1,791	1,787	3.1	0.2	-0.7	1,752	1,753	1,764	1,567	11.8
Household appliances.....	1,707	1,677	1,667	1.8	0.6	0.1	1,542	1,622	1,701	1,540	0.1
Electrical equipment.....	4,568	4,605	4,617	-0.8	-0.3	1.0	4,487	4,683	4,584	4,554	-1.5
Batteries.....	991	1,000	1,025	-0.9	-2.4	-2.8	910	953	1,046	962	-5.4
Transportation equipment.....	114,703	114,558	113,531	0.1	0.9	0.7	110,972	115,002	114,008	101,953	8.8
Automobiles.....	3,277	3,130	3,024	4.7	3.5	3.8	3,182	3,225	3,120	2,591	22.8
Light trucks and utility vehicles.....	2,689	2,667	2,677	0.8	-0.4	5.1	2,327	2,778	2,834	2,228	4.4
Heavy duty trucks.....	2,332	2,261	2,181	3.1	3.7	2.9	2,255	2,346	2,280	1,850	21.9
Motor vehicle bodies, parts, and trailers.....	17,618	17,600	17,678	0.1	-0.4	-0.2	17,284	17,565	17,634	17,031	1.5
Nondefense aircraft and parts.....	62,088	62,080	61,858	0.0	0.4	1.1	59,670	62,184	61,946	53,034	12.5
Defense aircraft and parts.....	13,828	13,629	13,178	1.5	3.4	0.1	13,664	13,652	13,264	12,954	5.5
Ships and boats.....	3,012	3,012	3,068	0.0	-1.8	-0.5	3,009	3,011	3,058	2,893	4.0
Furniture and related products.....	6,230	6,248	6,207	-0.3	0.7	0.6	6,079	6,284	6,191	5,891	3.2
Miscellaneous durable goods.....	23,586	23,690	23,701	-0.4	0.0	-0.3	23,132	23,978	24,073	23,391	-1.1
Nondurable goods industries.....	240,987	240,429	241,193	0.2	-0.3	-0.6	235,129	239,839	243,962	235,819	-0.3
Food products.....	46,126	45,948	45,906	0.4	0.1	0.9	46,203	47,874	48,907	44,656	3.5
Grain and oilseed milling.....	5,416	5,458	5,564	-0.8	-1.9	-0.3	5,608	5,546	5,936	5,251	6.8
Dairy products.....	6,074	5,954	5,918	2.0	0.6	1.4	5,623	5,699	5,922	5,596	0.5
Meat, poultry, and seafood products.....	7,937	7,887	7,868	0.6	0.2	0.7	7,878	8,215	8,139	7,494	5.1
Beverage and tobacco products.....	19,076	18,981	18,975	0.5	0.0	1.3	19,041	19,291	19,676	17,941	6.1
Beverages.....	15,334	15,225	15,209	0.7	0.1	1.6	15,178	15,426	15,855	14,116	7.5
Tobacco.....	3,742	3,756	3,766	-0.4	-0.3	0.0	3,863	3,865	3,821	3,825	1.0
Textile mills.....	3,343	3,349	3,377	-0.2	-0.8	0.0	3,299	3,317	3,363	3,474	-5.0
Textile products.....	3,226	3,208	3,172	0.6	1.1	0.6	3,134	3,169	3,157	3,179	-1.4
Apparel.....	2,503	2,474	2,419	1.2	2.3	1.4	2,376	2,392	2,473	2,126	11.8
Leather and allied products.....	877	868	852	1.0	1.9	-0.1	845	868	849	782	8.1
Paper products.....	14,011	13,959	13,981	0.4	-0.2	-0.2	13,954	13,895	13,921	14,107	-1.1
Pulp, paper, and paperboard mills.....	5,996	5,980	6,006	0.3	-0.4	-0.9	6,014	5,917	5,951	6,291	-4.4
Paperboard containers.....	4,117	4,108	4,124	0.2	-0.4	0.8	4,101	4,070	4,086	3,975	3.2
Printing.....	5,349	5,313	5,262	0.7	1.0	-0.1	5,036	5,293	5,423	5,038	0.0
Petroleum and coal products.....	52,633	53,094	54,203	-0.9	-2.0	-2.5	49,794	51,642	53,800	51,474	-3.3
Petroleum refineries.....	48,332	48,909	49,909	-1.2	-2.0	-2.7	45,565	47,522	49,502	47,359	-3.8
Chemical products.....	72,168	71,586	71,438	0.8	0.2	-1.2	70,521	70,906	71,000	72,439	-2.6
Pesticides, fertilizers, and other agricultural chemicals.....	4,121	4,144	4,096	-0.6	1.2	-0.3	4,335	4,027	3,805	4,415	-1.8
Pharmaceuticals and medicines.....	24,049	23,634	23,586	1.8	0.2	-2.7	23,201	23,450	23,620	23,618	-1.8
Paints, coatings, and adhesives.....	3,063	2,860	2,876	7.1	-0.6	-0.4	2,885	2,739	2,756	2,766	4.3
Plastics and rubber products.....	21,675	21,649	21,608	0.1	0.2	0.5	20,926	21,192	21,393	20,603	1.6

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

¹ Estimates of shipments and new orders are for the duration of the period, while estimates of unfilled orders and total inventories are for the end of the period. Not seasonally adjusted estimates of shipments and new orders include adjusted data for non-calendar reporters. Seasonally adjusted estimates include concurrent adjustments for holiday and trading-day differences, where appropriate, as well as seasonal variation, based on the results of the latest annual review of the model parameters. Estimates are not adjusted for price 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						
	Monthly			Percent Change			Monthly			Year to date		Percent Change ⁶ 2012/ 2011	
	Dec. 2012 ^p	Nov. 2012 ^f	Oct. 2012	Nov. - Dec.	Oct. - Nov.	Sep. - Oct.	Dec. 2012 ^p	Nov. 2012 ^f	Oct. 2012	Dec. 2011	2012 ^p		2011
SHIPMENTS													
All manufacturing industries.....	484,856	483,057	481,734	0.4	0.3	0.3	465,586	469,120	496,566	457,062	5,727,500	5,491,351	4.3
Construction materials and supplies.....	40,945	40,939	40,846	0.0	0.2	1.2	35,394	38,989	43,696	35,435	490,559	469,764	4.4
Information technology.....	21,441	21,107	20,963	1.6	0.7	-0.8	24,681	20,805	20,356	25,589	259,094	265,676	-2.8
Computers and related products.....	2,742	2,424	2,370	13.1	2.3	-12.0	3,955	2,223	2,211	4,275	33,170	37,402	-11.3
Motor vehicle and parts.....	44,548	44,239	42,792	0.7	3.4	-0.6	39,710	44,080	47,593	37,234	521,704	466,050	11.9
Capital goods.....	80,914	79,945	78,627	1.2	1.7	-0.1	87,918	77,719	77,841	83,948	944,201	892,865	5.7
Nondefense capital goods ³	71,582	71,416	70,288	0.6	1.6	0.2	78,132	69,015	69,841	74,616	843,068	786,619	7.2
Excluding aircraft.....	64,872	64,459	63,074	0.2	2.2	0.4	68,031	61,943	63,311	67,517	764,695	729,178	4.9
Defense capital goods ⁴	9,042	8,529	8,339	6.0	2.3	-2.6	9,786	8,704	8,000	9,332	101,133	106,246	-4.8
Consumer goods.....	208,044	208,290	210,691	-0.1	-1.1	0.1	201,508	206,280	217,831	197,116	2,472,608	2,372,325	4.2
Consumer durable goods.....	36,023	35,686	34,670	0.9	2.9	-2.5	33,751	35,544	37,644	31,009	422,172	374,938	12.6
Consumer nondurable goods.....	172,021	172,604	176,021	-0.3	-1.9	0.6	167,757	170,736	180,187	166,107	2,050,436	1,997,387	2.7
NEW ORDERS													
All manufacturing industries ⁵	484,760	476,116	477,438	1.8	-0.3	0.8	482,072	458,624	485,995	481,076	5,664,517	5,501,484	3.0
Construction materials and supplies.....	40,839	40,757	41,072	0.2	-0.8	1.5	35,103	38,067	43,314	35,191	490,708	472,718	3.8
Information technology.....	21,969	21,635	21,129	1.5	2.4	2.7	26,700	19,710	20,138	26,718	266,047	266,764	-0.3
Computers and related products.....	2,716	2,557	2,423	6.2	5.5	-10.9	3,929	2,356	2,264	4,263	33,363	37,294	-10.5
Motor vehicle and parts.....	44,134	44,015	42,692	0.3	3.1	-0.1	39,791	44,327	47,449	38,034	520,361	466,625	11.5
Capital goods.....	90,030	79,047	80,406	13.9	-1.7	1.4	109,810	72,306	77,539	105,929	971,865	968,096	0.4
Nondefense capital goods ³	73,591	71,229	72,800	3.3	-2.2	2.6	88,797	66,277	71,737	96,109	865,420	858,049	0.9
Excluding aircraft.....	63,646	63,846	61,830	-0.3	3.3	3.0	66,717	59,586	62,489	69,733	759,368	761,475	-0.3
Defense capital goods ⁴	16,439	7,818	7,606	110.3	2.8	-9.3	21,013	6,029	5,802	9,820	106,445	110,047	-3.3
Consumer goods.....	208,046	208,289	210,737	-0.1	-1.2	0.1	201,321	206,396	217,918	197,001	2,472,674	2,372,435	4.2
Consumer durable goods.....	36,025	35,685	34,716	1.0	2.8	-2.5	33,564	35,660	37,731	30,894	422,238	375,048	12.6
Consumer nondurable goods.....	172,021	172,604	176,021	-0.3	-1.9	0.6	167,757	170,736	180,187	166,107	2,050,436	1,997,387	2.7
UNFILLED ORDERS													
All manufacturing industries ⁵	991,736	983,846	983,406	0.8	0.0	0.3	989,221	966,348	970,159	965,923	(X)	(X)	2.4
Construction materials and supplies.....	55,692	55,798	55,980	-0.2	-0.3	0.4	53,946	54,237	55,159	53,797	(X)	(X)	0.3
Information technology.....	136,796	136,268	135,740	0.4	0.4	0.1	135,997	133,978	135,073	129,044	(X)	(X)	5.4
Computers and related products.....	1,349	1,375	1,242	-1.9	10.7	4.5	1,349	1,375	1,242	1,156	(X)	(X)	16.7
Motor vehicle and parts.....	15,386	15,800	16,024	-2.6	-1.4	-0.6	15,775	15,694	15,447	17,118	(X)	(X)	-7.8
Capital goods.....	757,120	748,004	748,902	1.2	-0.1	0.2	757,110	735,218	740,631	729,446	(X)	(X)	3.8
Nondefense capital goods ³	585,703	583,984	584,171	0.3	0.0	0.4	586,467	575,802	578,540	564,115	(X)	(X)	4.0
Excluding aircraft.....	232,206	233,142	233,755	-0.4	-0.3	-0.5	228,080	229,394	231,751	233,407	(X)	(X)	-2.3
Defense capital goods ⁴	171,417	164,020	164,731	4.5	-0.4	-0.4	170,643	159,416	162,091	165,331	(X)	(X)	3.2
Consumer goods.....	4,052	4,050	4,051	0.0	0.0	1.1	3,813	4,000	3,884	3,747	(X)	(X)	1.8
Consumer durable goods.....	4,052	4,050	4,051	0.0	0.0	1.1	3,813	4,000	3,884	3,747	(X)	(X)	1.8
TOTAL INVENTORIES													
All manufacturing industries.....	615,463	614,983	615,204	0.1	0.0	0.0	598,525	615,002	618,373	583,943	(X)	(X)	2.5
Construction materials and supplies.....	59,804	59,458	59,321	0.6	0.2	0.2	58,269	58,724	58,936	57,193	(X)	(X)	1.9
Information technology.....	39,366	39,455	39,412	-0.2	0.1	0.4	38,058	40,106	39,761	37,238	(X)	(X)	2.2
Computers and related products.....	3,732	3,815	3,878	-2.2	-1.6	1.9	3,433	3,978	3,975	3,787	(X)	(X)	-9.3
Motor vehicle and parts.....	25,916	25,658	25,560	1.0	0.4	1.1	25,048	25,914	25,868	23,700	(X)	(X)	5.7
Capital goods.....	194,129	195,072	194,342	-0.5	0.4	0.3	187,501	196,798	194,782	175,959	(X)	(X)	6.6
Nondefense capital goods ³	172,950	173,578	173,455	-0.4	0.1	0.4	166,350	175,290	173,994	155,306	(X)	(X)	7.1
Excluding aircraft.....	121,077	121,557	121,682	-0.4	-0.1	0.2	116,773	123,199	122,286	111,202	(X)	(X)	5.0
Defense capital goods ⁴	21,179	21,494	20,887	-1.5	2.9	-0.8	21,151	21,508	20,788	20,653	(X)	(X)	2.4
Consumer goods.....	181,734	181,212	182,197	0.3	-0.5	-0.7	177,023	182,115	186,075	175,901	(X)	(X)	0.6
Consumer durable goods.....	25,797	25,526	25,525	1.1	0.0	0.7	24,939	25,861	26,020	24,047	(X)	(X)	3.7
Consumer nondurable goods.....	155,937	155,686	156,672	0.2	-0.6	-0.9	152,084	156,254	160,055	151,854	(X)	(X)	0.2

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 Dec. 12/11
	Dec. 2012 ^p	Nov. 2012 ^f	Oct. 2012	Nov. - Dec.	Oct. - Nov.	Sep. - Oct.	Dec. 2012 ^p	Nov. 2012 ^f	Oct. 2012	Dec. 2011	
MATERIALS AND SUPPLIES											
All manufacturing industries.....	202,212	202,250	203,537	0.0	-0.6	-0.3	199,687	200,814	203,811	196,239	1.8
Durable goods industries.....	120,802	121,135	121,383	-0.3	-0.2	0.1	119,655	121,143	121,573	116,089	3.1
Wood products.....	3,524	3,440	3,530	2.4	-2.5	-1.5	3,684	3,584	3,731	3,685	0.0
Nonmetallic mineral products.....	4,607	4,632	4,590	-0.5	0.9	-0.7	4,565	4,609	4,558	4,563	0.0
Primary metals.....	13,288	13,251	13,187	0.3	0.5	2.0	13,365	13,203	13,328	13,440	-0.6
Fabricated metal products.....	16,474	16,694	16,900	-1.3	-1.2	-0.2	16,463	16,561	16,798	16,672	-1.3
Machinery.....	25,587	25,679	25,951	-0.4	-1.0	-0.6	24,671	25,755	26,139	23,371	5.6
Computers and electronic products.....	17,850	17,813	17,778	0.2	0.2	0.3	17,678	17,947	17,844	16,474	7.3
Electrical equipment, appliances, and components.....	6,826	6,902	6,966	-1.1	-0.9	2.3	6,701	6,826	6,818	6,449	3.9
Transportation equipment.....	22,131	22,091	21,778	0.2	1.4	-0.4	22,163	22,036	21,673	20,873	6.2
Furniture and related products.....	2,932	2,954	2,970	-0.7	-0.5	0.4	2,912	2,946	2,946	2,908	0.1
Miscellaneous products.....	7,583	7,679	7,733	-1.3	-0.7	-0.3	7,453	7,676	7,738	7,654	-2.6
Nondurable goods industries.....	81,410	81,115	82,154	0.4	-1.3	-0.8	80,032	79,671	82,238	80,150	-0.1
Food products.....	15,178	15,381	15,556	-1.3	-1.1	0.3	15,295	15,806	16,273	14,728	3.8
Beverage and tobacco products.....	4,943	4,940	4,904	0.1	0.7	-0.1	5,080	4,934	4,907	4,812	5.6
Textiles.....	1,200	1,198	1,192	0.2	0.5	1.1	1,185	1,171	1,171	1,237	-4.2
Textile products.....	1,526	1,508	1,498	1.2	0.7	1.2	1,496	1,488	1,492	1,475	1.4
Apparel.....	827	810	831	2.1	-2.5	3.2	814	789	840	671	21.3
Leather and allied products.....	275	269	266	2.2	1.1	-1.1	268	262	268	252	6.3
Paper products.....	6,914	6,941	6,924	-0.4	0.2	-0.5	6,931	6,933	6,917	7,069	-2.0
Printing.....	2,464	2,514	2,449	-2.0	2.7	0.7	2,383	2,511	2,481	2,456	-3.0
Petroleum and coal products.....	16,628	16,423	17,280	1.2	-5.0	-4.8	15,720	15,279	17,114	16,019	-1.9
Chemical products.....	22,633	22,365	22,548	1.2	-0.8	0.4	22,255	21,955	22,228	23,039	-3.4
Plastics and rubber products.....	8,822	8,766	8,706	0.6	0.7	0.6	8,605	8,543	8,547	8,392	2.5
WORK IN PROCESS											
All manufacturing industries.....	190,890	190,761	190,067	0.1	0.4	-0.3	184,853	192,311	191,996	179,266	3.1
Durable goods industries.....	146,028	145,479	144,569	0.4	0.6	0.1	140,532	145,862	144,898	133,423	5.3
Wood products.....	1,588	1,566	1,540	1.4	1.7	-0.5	1,541	1,560	1,552	1,414	9.0
Nonmetallic mineral products.....	1,374	1,356	1,380	1.3	-1.7	-0.7	1,310	1,287	1,326	1,275	2.7
Primary metals.....	11,118	11,045	10,979	0.7	0.6	0.4	10,320	10,792	10,797	10,610	-2.7
Fabricated metal products.....	13,784	13,691	13,608	0.7	0.6	1.0	13,404	13,767	13,695	12,893	4.0
Machinery.....	16,858	16,757	16,602	0.6	0.9	0.3	15,864	17,164	16,768	15,204	4.3
Computers and electronic products.....	15,354	15,420	15,557	-0.4	-0.9	-2.7	14,748	15,550	15,673	16,022	-8.0
Electrical equipment, appliances, and components.....	3,641	3,623	3,656	0.5	-0.9	-0.3	3,462	3,601	3,640	3,332	3.9
Transportation equipment.....	77,889	77,605	76,858	0.4	1.0	0.6	75,618	77,709	77,019	68,599	10.2
Furniture and related products.....	1,039	1,055	1,036	-1.5	1.8	0.0	1,032	1,052	1,028	968	6.6
Miscellaneous products.....	3,383	3,361	3,353	0.7	0.2	-0.5	3,233	3,380	3,400	3,106	4.1
Nondurable goods industries.....	44,862	45,282	45,498	-0.9	-0.5	-1.8	44,321	46,449	47,098	45,843	-3.3
Food products.....	4,078	4,006	4,043	1.8	-0.9	0.6	4,731	5,009	5,092	4,395	7.6
Beverage and tobacco products.....	6,283	6,265	6,269	0.3	-0.1	3.3	6,713	6,764	6,769	6,264	7.2
Textiles.....	781	776	773	0.6	0.4	-0.4	756	780	775	782	-3.3
Textile products.....	415	419	418	-1.0	0.2	0.0	393	418	417	433	-9.2
Apparel.....	391	384	388	1.8	-1.0	-1.3	355	370	389	334	6.3
Leather and allied products.....	100	107	113	-6.5	-5.3	-1.7	100	116	111	128	-21.9
Paper products.....	1,298	1,282	1,286	1.2	-0.3	1.3	1,282	1,270	1,272	1,290	-0.6
Printing.....	1,210	1,146	1,178	5.6	-2.7	-1.8	1,075	1,140	1,291	1,092	-1.6
Petroleum and coal products.....	13,115	13,924	13,966	-5.8	-0.3	-4.0	12,284	13,638	13,873	14,102	-12.9
Chemical products.....	14,945	14,716	14,790	1.6	-0.5	-3.0	14,478	14,711	14,858	14,925	-3.0
Plastics and rubber products.....	2,246	2,257	2,274	-0.5	-0.7	-0.6	2,154	2,233	2,251	2,098	2.7
FINISHED GOODS											
All manufacturing industries.....	222,361	221,972	221,600	0.2	0.2	0.4	213,985	221,877	222,566	208,438	2.7
Durable goods industries.....	107,646	107,940	108,059	-0.3	-0.1	0.8	103,209	108,158	107,940	98,612	4.7
Wood products.....	4,056	4,151	4,013	-2.3	3.4	2.2	3,892	4,079	3,901	3,692	5.4
Nonmetallic mineral products.....	5,566	5,616	5,673	-0.9	-1.0	0.8	5,446	5,426	5,442	5,376	1.3
Primary metals.....	10,566	10,279	10,377	2.8	-0.9	-0.5	10,388	9,936	10,172	10,149	2.4
Fabricated metal products.....	15,844	15,636	15,706	1.3	-0.4	0.2	15,240	15,316	15,518	15,175	0.4
Machinery.....	23,696	24,067	24,304	-1.5	-1.0	-0.2	22,930	24,170	23,873	20,936	9.5
Computers and electronic products.....	13,198	13,305	13,166	-0.8	1.1	2.3	12,673	13,660	13,366	11,559	9.6
Electrical equipment, appliances, and components.....	5,158	5,135	5,109	0.4	0.5	0.6	4,868	5,106	5,200	4,598	5.9
Transportation equipment.....	14,683	14,862	14,895	-1.2	-0.2	3.4	13,191	15,257	15,316	12,481	5.7
Furniture and related products.....	2,259	2,239	2,201	0.9	1.7	1.1	2,135	2,286	2,217	2,015	6.0
Miscellaneous products.....	12,620	12,650	12,615	-0.2	0.3	-0.3	12,446	12,922	12,935	12,631	-1.5
Nondurable goods industries.....	114,715	114,032	113,541	0.6	0.4	0.1	110,776	113,719	114,626	109,826	0.9
Food products.....	26,870	26,561	26,307	1.2	1.0	1.3	26,177	27,059	27,542	25,533	2.5
Beverage and tobacco products.....	7,850	7,776	7,802	1.0	-0.3	0.7	7,248	7,593	8,000	6,865	5.6
Textiles.....	1,362	1,375	1,412	-0.9	-2.6	-0.7	1,358	1,366	1,417	1,455	-6.7
Textile products.....	1,285	1,281	1,256	0.3	2.0	0.1	1,245	1,263	1,248	1,271	-2.0
Apparel.....	1,285	1,280	1,200	0.4	6.7	1.1	1,207	1,233	1,244	1,121	7.7
Leather and allied products.....	502	492	473	2.0	4.0	0.9	477	490	470	402	18.7
Paper products.....	5,799	5,736	5,771	1.1	-0.6	-0.3	5,741	5,692	5,732	5,748	-0.1
Printing.....	1,675	1,653	1,635	1.3	1.1	0.1	1,578	1,642	1,651	1,490	5.9
Petroleum and coal products.....	22,890	22,747	22,957	0.6	-0.9	0.3	21,790	22,725	22,813	21,353	2.0
Chemical products.....	34,590	34,505	34,100	0.2	1.2	-1.3	33,788	34,240	33,914	34,475	-2.0
Plastics and rubber products.....	10,607	10,626	10,628	-0.2	0.0	0.6	10,167	10,416	10,595	10,113	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 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			
	Dec 2012 ^P	Nov 2012 ^F	Oct 2012	Sep 2012	Dec 2012 ^P	Nov 2012 ^F	Oct 2012	Sep 2012
All manufacturing industries ²	1.27	1.27	1.28	1.28	(X)	(X)	(X)	(X)
Durable goods industries ²	1.63	1.65	1.67	1.67	6.12	6.13	6.23	6.24
Wood products.....	1.48	1.47	1.44	1.46	(X)	(X)	(X)	(X)
Nonmetallic mineral products.....	1.40	1.42	1.43	1.43	(X)	(X)	(X)	(X)
Primary metals.....	1.15	1.18	1.23	1.21	0.99	1.06	1.14	1.11
Fabricated metal products.....	1.69	1.68	1.69	1.69	3.20	3.15	3.15	3.16
Machinery.....	1.99	1.98	2.05	2.08	3.97	4.00	4.15	4.24
Computers and electronic products ²	1.62	1.67	1.66	1.66	7.50	7.53	7.54	7.46
Electrical equipment, appliances, and components.....	1.56	1.57	1.60	1.59	2.34	2.35	2.35	2.36
Transportation equipment.....	1.72	1.74	1.77	1.75	14.28	14.27	14.39	14.47
Furniture and related products.....	1.15	1.15	1.14	1.14	1.37	1.36	1.37	1.38
Miscellaneous products.....	1.71	1.72	1.74	1.72	(X)	(X)	(X)	(X)
Nondurable goods industries.....	0.95	0.94	0.93	0.94	(X)	(X)	(X)	(X)
Food products.....	0.74	0.74	0.75	0.75	(X)	(X)	(X)	(X)
Beverage and tobacco products.....	1.56	1.49	1.51	1.52	(X)	(X)	(X)	(X)
Textiles.....	1.33	1.34	1.36	1.37	(X)	(X)	(X)	(X)
Textile products.....	1.64	1.62	1.60	1.61	(X)	(X)	(X)	(X)
Apparel.....	1.98	1.93	1.82	1.87	(X)	(X)	(X)	(X)
Leather and allied products.....	1.92	1.95	1.86	1.95	(X)	(X)	(X)	(X)
Paper products.....	1.01	1.01	1.00	1.01	(X)	(X)	(X)	(X)
Printing.....	0.82	0.80	0.78	0.79	(X)	(X)	(X)	(X)
Petroleum and coal products.....	0.72	0.72	0.70	0.72	(X)	(X)	(X)	(X)
Chemical products.....	1.15	1.14	1.14	1.16	(X)	(X)	(X)	(X)
Plastics and rubber products.....	1.22	1.22	1.23	1.24	(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	
	Dec ¹ 2012	Dec ² 2011- Nov 2012	Dec ¹ 2012	Dec ² 2011- Nov 2012	Dec ¹ 2012	Dec ² 2011- Nov 2012	Dec ¹ 2012	Dec ² 2011- Nov 2012
	2012	2012	2012	2012	2012	2012	2012	2012
All manufacturing industries.....	(X)	0.2	(X)	0.3	(X)	0.1	(X)	0.1
Durable goods industries.....	-0.2	0.2	-0.3	0.4	0.0	0.1	0.0	0.1
Wood products.....	(X)	0.7	(X)	(NA)	(X)	(NA)	(X)	0.3
Nonmetallic mineral products.....	(X)	0.7	(X)	(NA)	(X)	(NA)	(X)	0.2
Primary metals.....	-0.2	0.7	-0.4	1.3	-0.1	0.8	0.1	0.5
Fabricated metal products.....	-0.1	0.3	0.1	0.7	0.0	0.2	0.0	0.2
Machinery.....	-0.6	0.8	-1.5	1.1	-0.1	0.2	0.1	0.2
Computers and electronic products.....	0.6	0.7	0.8	1.1	-0.1	0.1	-0.2	0.2
Electrical equipment, appliances, and components.....	-0.7	0.4	-0.7	0.7	0.0	0.4	0.5	0.3
Transportation equipment.....	-0.3	0.4	-0.2	1.3	-0.1	0.1	0.0	0.1
Furniture and related products.....	(X)	0.4	(X)	0.5	(X)	0.4	(X)	0.3
Miscellaneous products.....	(X)	0.6	(X)	0.6	(X)	0.4	(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)	0.9	(X)	(NA)	(X)	(NA)	(X)	0.3
Textiles.....	(X)	0.3	(X)	(NA)	(X)	(NA)	(X)	0.3
Textile products.....	(X)	0.6	(X)	(NA)	(X)	(NA)	(X)	0.3
Apparel.....	(X)	1.0	(X)	(NA)	(X)	(NA)	(X)	0.7
Leather and allied products.....	(X)	0.7	(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)	0.7
Petroleum and coal products.....	(X)	1.3	(X)	(NA)	(X)	(NA)	(X)	0.4
Chemical products.....	(X)	0.4	(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>.

Benchmark Notice

Revised historical data for Manufacturers' Shipments, Inventories, and Orders will be issued on May 17, 2013. These revisions reflect:

- benchmarking the shipments and inventories data to the 2011 Annual Survey of Manufactures (ASM) data, as well as revised ASM benchmarks for prior years;
- incorporating the unfilled orders to shipments ratios obtained from the 2010/2011 Manufacturers' Unfilled Orders Survey by applying these ratios to the respective ASM shipments data, as well as incorporating revised unfilled orders to shipments ratios for prior years;
- adjusting the new orders data to be consistent with the benchmarked shipments and unfilled orders data;
- correcting monthly data for late receipts, reclassifications of reported data, and revisions to previously reported data;
- migrating the data processing environment from a server having a Linux Red Hat 4 operating system that supports SAS® 9.1.3 to a server having a Linux Red Hat 5 operating system that supports SAS® 9.2; and
- updating the seasonally adjusted data, based on the results of benchmarking and the recent annual review of the seasonal adjustment models.

An accompanying press release will include the revised 2013 January through March data. Please call Jessica Young on (301) 763-4832 with any questions.