U.S. Census Bureau News

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

FOR IMMEDIATE RELEASE MONDAY, DECEMBER 5, 2011, AT 10:00 A.M. EST

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Full Report on Manufacturers' Shipments, Inventories and Orders October 2011

Summary

New orders for manufactured goods in October, down two consecutive months, decreased \$1.6 billion or 0.4 percent to \$450.0 billion, the U.S. Census Bureau reported today. This followed a 0.1 percent September decrease. Excluding transportation, new orders increased 0.2 percent.

Shipments, up five consecutive months, increased \$2.6 billion or 0.6 percent to \$455.4 billion. This followed a 0.3 percent September increase.

Unfilled orders, up eighteen of the last nineteen months, increased \$1.8 billion or 0.2 percent to \$885.9 billion. This followed a 0.6 percent September increase. The unfilled orders-to-shipments ratio was 6.07, down from 6.08 in September.

Inventories, up twenty four of the last twenty five months, increased \$5.6 billion or 0.9 percent to \$607.1 billion. This was at the highest level since the series was first published on a NAICS basis in 1992 and followed a 0.1 percent September increase. The inventories-to-shipments ratio was 1.33, unchanged from September.

New Orders

New orders for manufactured durable goods in October, down two consecutive months, decreased \$0.9 billion or 0.5 percent to \$198.5 billion, revised from the previously published 0.7 percent decrease. This followed a 1.4 percent September decrease.

Transportation equipment, also down two consecutive months, had the largest decrease, \$2.5 billion or 5.1 percent to \$47.2 billion.

New orders for manufactured nondurable goods decreased \$0.7 billion or 0.3 percent to \$251.5 billion.

Shipments

Shipments of manufactured durable goods in October, up five of the last six months, increased \$3.2 billion or 1.6 percent to \$203.9 billion, revised from the previously published 1.3 percent increase. This followed a 0.4 percent September decrease.

Transportation equipment, up following two consecutive monthly decreases, had the largest increase,

\$2.3 billion or 5.0 percent to \$48.4 billion.

Shipments of manufactured nondurable goods, down following four consecutive monthly increases, decreased \$0.7 billion or 0.3 percent to \$251.5 billion. This followed a 0.9 percent September increase. Petroleum and coal products, down two of the last three months, led the decrease, down \$0.6 billion or 0.8 percent to \$71.2 billion.

Unfilled Orders

Unfilled orders for manufactured durable goods in October, up eighteen of the last nineteen months, increased \$1.8 billion or 0.2 percent to \$885.9 billion, unchanged from the previously published increase. This followed a 0.6 percent September increase.

Machinery, up twenty one consecutive months, had the largest increase, \$1.6 billion or 1.3 percent to \$117.3 billion. This was at the highest level since the series was first published on a NAICS basis and followed a 0.2 percent September increase.

Inventories

Inventories of manufactured durable goods in October, up twenty two consecutive months, increased \$1.6 billion or 0.4 percent to \$366.9 billion, revised from the previously published 0.5 percent increase. This was at the highest level since the series was first published on a NAICS basis and followed a slight September increase.

Transportation equipment, also up twenty two consecutive months, had the largest increase, \$0.9 billion or 0.8 percent to \$113.6 billion.

Inventories of manufactured nondurable goods, up two consecutive months, increased \$3.9 billion or 1.7 percent to \$240.2 billion. This followed a 0.4 percent September increase. Petroleum and coal products, also up two consecutive months, led the increase, up \$3.1 billion or 6.1 percent to \$53.8 billion.

By stage of fabrication, October materials and supplies increased 0.2 percent in durable goods and 3.5 percent in nondurable goods. Work in process increased 0.8 percent in durable goods and 1.7 percent in nondurable goods. Finished goods increased 0.3 percent in durable goods and 0.4 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 November is scheduled for release on December 23, 2011, at 8:30 a.m. EST and the full report on January 4, 2012, at 10:00 a.m. EST. See back page for survey description.

Table 1. Value of Manufacturers' Shipments for Industry Groups¹

[Estimates are shown in millions of	dollars a		sonally A		m the	Manufa	acturers'	Shipmen				Survey.]		
		Monthly	SUITALLY AC	_	cent Cha	inge	Not Seasonally Adjusted Monthly Year to date							
Industry	Oct. 2011 ^p	Sept. 2011 ^r	Aug. 2011	Sept Oct.	Aug Sept.	July - Aug.	Oct. 2011 ^p	Sept. 2011 ^r	Aug. 2011	Oct. 2010	2011 ^p	2010	Percent 2011/ 2010	
All manufacturing industries. Excluding transportation. Excluding defense. With unfilled orders.	455,440 407,078 446,333 146,072	452,874 406,818 443,135 145,446	451,411 404,468 441,511 144,855	0.6 0.1 0.7 0.4	0.6	0.1 0.7 0.0 0.8	460,504 411,050 451,676 146,292	466,684 416,196 456,005 155,020	472,254 422,572 462,563 150,485	414,825 368,517 404,193 133,872	4,469,424 4,003,536 4,370,989 1,424,278	4,001,089 3,553,413 3,881,794 1,318,443	11.7 12.7 12.6 8.0	
Durable goods industries	203,949	200,700	201,505	1.6	-0.4	0.1	208,539	212,699	210,208	190,102	1,980,830	1,835,553	7.9	
Wood products Nonmetallic mineral products Primary metals Iron and steel mills Aluminum and nonferrous metals Ferrous metal foundries. Fabricated metal products Machinery Farm machinery Construction machinery Mining, oil field, and	5,400 8,013 25,352 11,211 12,421 1,720 25,209 30,749 3,063 4,223	5,314 7,934 24,575 10,930 11,953 1,692 25,310 31,140 2,719 4,269	5,296 7,893 24,217 10,927 11,616 1,674 25,055 31,461 3,681 4,297	1.6 1.0 3.2 2.6 3.9 1.7 -0.4 -1.3 12.7 -1.1	0.5 1.5 0.0 2.9 1.1 1.0	1.1 -0.5 0.8	5,639 8,446 25,479 11,023 12,754 1,702 26,059 30,292 2,948 4,492	5,603 8,529 25,307 11,169 12,311 1,827 26,873 32,226 2,686 4,414	5,748 8,963 26,038 11,695 12,548 1,795 27,285 31,534 3,675 4,355	5,498 8,128 18,893 9,417 8,042 1,434 24,447 26,064 2,088 3,420	53,918 79,943 239,332 113,646 109,027 16,659 251,390 293,743 27,167 38,452	55,758 77,917 185,100 95,385 75,933 13,782 237,239 260,847 22,757 27,617	-3.3 2.6 29.3 19.1 43.6 20.9 6.0 12.6 19.4 39.2	
gas field machinery Industrial machinery Photographic equipment	1,619 3,707 640	1,680 3,572 640	1,816 3,393 642	-3.6 3.8 0.0	5.3	2.4 5.3 4.9	1,616 3,377 647	1,666 3,931 701	1,794 3,002 687	1,501 2,527 682	16,330 32,000 6,478	15,204 26,645 6,759	7.4 20.1 -4.2	
Ventilation, heating, air-conditioning, and refrigeration equipment Metalworking machinery Turbines, generators, and other	2,464 2,066	2,475 1,916	2,588 1,952	-0.4 7.8	-4.4 -1.8	-0.8 -0.7	2,231 2,161	2,684 2,056	2,804 2,085	2,502 1,717	26,091 19,031	27,689 18,525	-5.8 2.7	
power transmission equipment Material handling equipment Computers and electronic products ² Computers Computer storage devices. Other peripheral equipment Nondefense communications	3,615 2,720 31,482 4,573 759 1,029	4,619 2,625 30,921 4,248 793 985	3,908 2,631 31,185 4,092 768 934	-21.7 3.6 1.8 7.7 -4.3 4.5	-0.8 3.8	9.8 4.7 0.6 -4.7 22.3 3.8	3,719 2,670 33,866 5,533 557 904	4,568 2,690 32,918 4,402 1,140 1,275	3,932 2,779 30,489 3,877 633 849	3,346 2,211 32,993 4,826 471 753	37,637 25,196 306,547 41,828 6,728 8,815	32,097 21,475 299,957 37,401 5,857 8,040	17.3 17.3 2.2 11.8 14.9 9.6	
equipment Defense communications equipment Audio and video equipment Electronic components	2,511 467 227 3,259	2,572 593 233 3,231	2,574 495 249 3,338	-2.4 -21.2 -2.6 0.9	-6.4	0.3 6.2 -0.4 4.0	2,180 452 280 3,183	3,125 672 228 3,475	2,433 478 212 3,483	2,595 527 330 3,392	25,549 4,992 2,271 33,007	30,656 5,532 2,275 34,163	-16.7 -9.8 -0.2 -3.4	
Nondefense search and navigation equipment	1,145	1,123	1,185	2.0	-5.2	-2.9	1,082	1,268	1,234	1,063	11,668	10,689	9.2	
Defense search and navigation equipment	2,590	2,768	2,780	-6.4	-0.4	2.2	2,540	2,932	2,806	2,840	26,925	30,001	-10.3	
Electromedical, measuring, and control instruments	7,228	7,259	7,359	-0.4	-1.4	-1.1	6,934	8,371	7,077	7,183	72,653	69,794	4.1	
Electrical equipment, appliances, and components Electric lighting equipment Household appliances. Electrical equipment Batteries Transportation equipment Automobiles Light trucks and utility vehicles Heavy duty trucks Motor vehicle bodies, parts,	1,543 3,797 878 48,362 5,629	10,275 998 1,520 3,857 883 46,056 5,102 7,252 2,018	10,305 1,023 1,499 3,947 873 46,943 5,033 7,681 2,003	-0.9 -1.1 1.5 -1.6 -0.6 5.0 10.3 11.8	-2.3 1.1 -1.9 1.4	-5.5	10,170 999 1,517 3,592 1,054 49,454 6,184 9,089 2,148	11,089 1,053 1,591 4,296 1,000 50,488 5,549 8,265 2,214	10,784 1,056 1,552 4,090 938 49,682 5,728 8,427 2,145	9,869 1,026 1,537 3,416 1,020 46,308 5,272 8,238 1,605	101,260 10,000 15,508 37,429 8,526 465,888 52,365 79,311 18,447	95,327 9,739 15,796 34,507 8,228 447,676 49,845 67,963 15,456	6.2 2.7 -1.8 8.5 3.6 4.1 5.1 16.7 19.4	
and trailers	14,322 8,770 3,725 2,233 5,422 13,780	13,990 8,049 3,792 2,322 5,499 13,676	14,153 7,804 4,053 2,334 5,577 13,573	2.4 9.0 -1.8 -3.8 -1.4 0.8	-6.4 -0.5	2.9	15,104 7,681 3,600 2,206 5,367 13,767	14,923 8,693 4,335 2,382 5,649 14,017	15,596 7,747 3,879 2,283 6,008 13,677	14,474 6,031 4,400 2,226 5,140 12,762	144,314 71,010 40,131 22,999 55,336 133,473	135,452 64,414 49,047 24,022 51,638 124,094	6.5 10.2 -18.2 -4.3 7.2 7.6	
Nondurable goods industries Food products. Grain and oilseed milling. Dairy products. Meat, poultry, and seafood products. Beverage and tobacco products. Beverages. Tobacco. Textile mills. Textile products. Apparel Leather and allied products. Paper products. Pulp, paper, and paperboard mills. Paperboard containers Printing. Petroleum and coal products. Petroleum refineries. Chemical products. Pesticides, fertilizers, and other	9,311 17,547 12,186 9,575 2,611 2,557 1,865 1,436 306 6,730 4,232 6,730 4,232 67,088 61,584	252,174 62,538 8,382 9,436 17,617 12,390 9,689 2,701 2,596 1,862 307 14,215 6,724 4,212 6,799 6,799 6,794 61,753	249,906 62,314 8,434 9,498 17,544 12,257 9,343 2,914 2,587 1,841 1,375 311 14,309 6,746 4,209 7,072 69,525 65,139 62,092	-0.3 0.4 3.00 -1.3 -0.4 -1.2 -3.3 -1.5 0.0 2.4 -0.3 0.4 0.5 -1.2 -0.8 -0.9 -0.3	0.4 -0.6 -0.7 0.4 1.11 3.7 -7.3 0.3 1.3 2.0 -1.3 -0.7 -0.3 0.1 -1.3 3.3 3.9 -0.5	1.2 2.0 0.1 2.2 2.1 1-1.3 15.0 -0.9 0.8 6.5 5-2.2 -0.6 -0.1 -2.5 2.6 -1.9 -2.1 0.4	251,965 65,503 9,163 9,399 17,931 12,191 9,580 2,611 1,698 1,644 312 14,410 6,802 4,323 7,226 670,328 65,807 59,335	253,985 64,096 8,465 9,651 17,508 12,449 9,748 2,701 2,661 1,865 1,500 348 14,523 6,866 4,284 7,381 70,924 66,106 61,491	262,046 63,497 8,892 9,790 17,883 12,911 9,997 2,914 2,700 1,921 1,507 331 15,034 7,102 4,444 7,262 75,251 69,783 64,141	224,723 58,922 7,546 8,742 16,802 11,629 9,026 2,603 2,546 1,820 1,402 320 14,727 6,798 4,551 7,352 54,907 51,304 55,764	2,488,594 608,497 82,341 91,670 171,850 120,455 94,352 26,379 18,712 13,139 3,178 144,444 67,655 43,444 69,606 704,941 663,012 616,820	2,165,536 547,491 69,978 81,059 160,361 108,967 83,069 25,898 25,007 18,281 12,200 3,141 143,290 66,598 42,963 69,647 518,419 485,248 565,806	14.9 11.1 17.7 13.1 7.2 10.5 13.6 0.8 5.5 2.4 4.7.7 1.2 0.8 1.6 1.1 -0.1 36.0 9.0	
agricultural chemicals	5,699 15,011 2,617 16,397	5,536 15,304 2,576 16,323	5,440 15,368 2,519 16,223	2.9 -1.9 1.6 0.5	-0.4 2.3	2.7 1.3 1.5 0.1	4,063 15,230 2,649 16,500	4,639 15,425 2,712 16,747	4,855 15,923 2,790 17,491	3,254 15,986 2,444 15,334	53,284 154,011 25,807 162,423	41,793 157,203 25,667 153,287	27.5 -2.0 0.5 6.0	

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

¹ Estimates of shipments and new orders are for the duration of the period, while estimates of unfilled orders and total inventories are for the end of the period. 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			easonally							easonally A		1	
		Monthly		Per	cent Chan	ge		Mon	thly		Year to date		
Industry	Oct. 2011 ^p	Sept. 2011 ^r	Aug. 2011	Sept Oct.	Aug Sept.	July - Aug.	Oct. 2011 ^p	Sept. 2011 ^r	Aug. 2011	Oct. 2010	2011 ^p	2010	Percent 2011/ 2010
All manufacturing industries ²	450,031	451,636	452,121	-0.4	-0.1	0.1	448,326	464,693	469,793	407,224	4,447,313	3,958,708	12.3
Excluding transportation ²	402,850	401,940	398,424	0.2	0.9	-0.1	402,920	411,431	413,708	358,842	3,966,746	3,517,365	12.8
Excluding defense ²	441,223	440,931	441,626	0.1	-0.2	0.0	441,362	453,367	460,836	399,076	4,344,654	3,843,742	13.0
With unfilled orders ²	147,874	150,847	152,469	-2.0	-1.1	0.8	143,752	158,522	154,912	134,774	1,469,914	1,337,328	9.9
Durable goods industries ²	198,540	199,462	202,215	-0.5	-1.4	0.1	196,361	210,708	207,747	182,501	1,958,719	1,793,172	9.2
Primary metals	25,629	24,889	24,432	3.0	1.9	0.0	24,765	25,096	26,004	17,820	238,549	189,202	26.1
Iron and steel mills	11,227	11,202	10,890	0.2	2.9	-1.9	10,165	11,095	11,520	8,237	110,861	98,371	12.7
Aluminum and nonferrous metals	12,637	12,015	11,760	5.2	2.2	1.3	12,865	12,252	12,589	8,064	110,491	76,724	44.0
Ferrous metal foundries	1,765	1,672	1,782	5.6	-6.2	3.4	1,735	1,749	1,895	1,519	17,197	14,107	21.9
Fabricated metal products	25,712	25,818	25,477	-0.4	1.3	-0.7	25,879	27,046	27,176	23,097	257,025	238,109	7.9
Machinery	32,302	31,398	32,007	2.9	-1.9	-1.9	32,071	31,753	31,685	28,334	316,156	275,364	14.8
Construction machinery	4,771	4,621	3,795	3.2	21.8	-17.0	4,999	4,708	3,672	3,535	40,819	28,604	42.7
gas field machinery	1,455	1,934	1,546	-24.8	25.1	-42.3	1,545	1,712	1,653	1,380	20,635	17,124	20.5
Industrial machinery	3,020	3,214	3,468	-6.0	-7.3	25.2	3,051	3,326	2,791	3,936	32,009	29,535	8.4
Photographic equipment	622	630	644	-1.3	-2.2	2.5	604	751	671	679	6,608	6,708	-1.5
Ventilation, heating, air-conditioning,													
and refrigeration equipment	2,616	1,728	2,155	51.4	-19.8	-26.4	2,312	1,571	2,405	2,873	28,855	30,851	-6.5
Metalworking machinery	2,179	2,015	2,001	8.1	0.7	-4.2	2,286	2,126	2,117	1,713	20,389	18,392	10.9
Turbines, generators, and other													
power transmission equipment	5,241	5,295	4,755	-1.0	11.4	1.4	5,250	5,158	4,678	3,714	44,895	34,272	31.0
Material handling equipment	2,689	2,690	2,844	0.0	-5.4	8.8	2,474	2,986	2,891	2,101	26,091	22,329	16.8
Computers and electronic products ²	24,797	24,602	24,075	0.8	2.2	1.4	24,527	28,711	22,541	23,167	238,783	239,293	-0.2
Computers	4,543	4,367	4,071	4.0	7.3	2.5	5,503	4,521	3,856	4,728	41,561	37,342	11.3
Nondefense communications	0.000	0.704	0.400		44.0		0.700	0.407	0.400	0.500	05.070	00.000	
equipment	2,829	2,701	2,433	4.7	11.0	7.4	2,789	3,436	2,493	2,538	25,278	30,302	-16.6 -24.1
Defense communications equipment Electronic components	396 3,350	400 3,342	496 3,295	-1.0 0.2	-19.4 1.4	5.5 1.6	305 3,216	603 3,540	370 3,540	417 3,357	4,274 33,299	5,629 35,000	-24.1 -4.9
Nondefense search and navigation	3,330	3,342	3,293	0.2	1.4	1.0	3,210	3,340	3,340	3,337	33,299	35,000	-4.9
equipment	1,147	1,318	1,223	-13.0	7.8	5.7	1,068	1,503	1,194	993	12,154	10,360	17.3
Defense search and navigation	.,,	.,0.0	.,220	10.0	7.0	0.7	.,000	.,000	.,.,.	,,,	127.01	10,000	17.0
equipment	2,677	2,664	2,770	0.5	-3.8	-0.4	2,407	2,976	2,354	2,016	26,157	29,738	-12.0
Electromedical, measuring,													
and control instruments	7,357	7,322	7,329	0.5	-0.1	-4.4	6,915	8,952	6,521	7,054	73,882	70,467	4.8
Electrical equipment, appliances,													
and components	10,126	10,694	10,550	-5.3	1.4	3.8	10,131	11,152	10,674	9,924	104,387	99,157	5.3
Electric lighting equipment	1,009	1,009	993	0.0	1.6	-2.6	994	1,048	1,021	976	10,077	9,847	2.3
Household appliances	1,543	1,520 3,760	1,517 3,895	1.5 3.2	0.2 -3.5	1.7 2.0	1,510	1,602 3,921	1,534	1,522	15,589	15,835	-1.6 7.3
Electrical equipment	3,881	49,696	53,695	-5.1	-3.5 -7.5	0.8	3,747 45,406		3,910 56,085	3,536	38,937	36,292	7.3 8.9
Transportation equipment	47,181	47,070	55,077	-5.1	-7.5	0.8	40,400	53,262	50,065	48,382	480,567	441,343	0.9
and trailers	14,343	14,014	14,314	2.3	-2.1	-5.4	15,311	15,003	15,400	14,767	144,156	134,523	7.2
Nondefense aircraft and parts	8,428	10,127	13,814	-16.8	-26.7	26.2	5,394	10,456	14,558	10,285	85,405	70,656	20.9
Defense aircraft and parts		3,331	5,086	12.5	-34.5	24.3	3,273	3,535	4,416	4,061	41,906	48,888	-14.3
Ships and boats		3,025	1,829	-38.2	65.4	-6.1	1,399	2,739	1,392	1,503	23,808	18,174	31.0
Furniture and related products	5,491	5,446	5,270	0.8	3.3	-3.1	5,621	5,544	5,249	5,347	55,956	52,448	6.7

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

¹ Estimates of shipments and new orders are for the duration of the period, while estimates of unfilled orders and total inventories are for the end of the period. 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 https://www.census.gov/manufacturing/m3/>.

Table 3. Value of Manufacturers' Unfilled Orders for Industry Groups¹

Estimates are shown in minions of			Seasonally A						asonally Ad		
		Monthly		Pe	rcent Chan	ge		Mon	thly		Percent
Industry	Oct. 2011 ^p	Sept. 2011 ^r	Aug. 2011	Sept Oct.	Aug Sept.	July - Aug.	Oct. 2011 ^p	Sept. 2011 ^r	Aug. 2011	Oct. 2010	Change Oct. 11/10
All manufacturing industries ²	885,934	884,132	878,731	0.2	0.6	0.9	875,094	877,634	874,132	817,558	7.0
Excluding transportation ²	375,168	372,185	370,424	0.8	0.5	0.2	371,155	369,647	368,919	329,977	12.5
Excluding defense ²	714,441	712,340	707,905	0.3	0.6	1.0	707,466	708,142	705,287	657,924	7.5
Durable goods industries ²	885,934	884,132	878,731	0.2	0.6	0.9	875,094	877,634	874,132	817,558	7.0
Primary metals	32,406	32,129	31,815	0.9	1.0	0.7	30,878	31,592	31,803	27,803	11.1
Iron and steel mills	17,818	17,802	17,530	0.1	1.6	-0.2	16,737	17,595	17,669	16,335	2.5
Aluminum and nonferrous metals	11,081	10,865	10,803	2.0	0.6	1.4	10,724	10,613	10,672	8,649	24.0
Ferrous metal foundries	3,507	3,462	3,482	1.3	-0.6	3.2	3,417	3,384	3,462	2,819	21.2
Fabricated metal products	65,811	65,308	64,800	0.8	0.8	0.7	64,923	65,103	64,930	59,525	9.1
Machinery	117,320	115,767	115,509	1.3	0.2	0.5	116,691	114,912	115,385	90,799	28.5
Construction machinery	10,672	10,124	9,772	5.4	3.6	-4.9	10,315	9,808	9,514	7,076	45.8
gas field machinery	12,965	13,129	12,875	-1.2	2.0	-2.1	12,991	13,062	13,016	8,539	52.1
Industrial machinery	13,919	14,606	14,964	-4.7	-2.4	0.5	13,897	14,223	14,828	13,685	1.5
Photographic equipment Ventilation, heating, air-conditioning,	1,977	1,995	2,005	-0.9	-0.5	0.1	2,009	2,052	2,002	2,170	-7.4
and refrigeration equipment	19,917	19,765	20,512	0.8	-3.6	-2.1	19,844	19,763	20,876	16,760	18.4
Metalworking machinery Turbines, generators, and other	5,679	5,566	5,467	2.0	1.8	0.9	5,626	5,501	5,431	3,982	41.3
power transmission equipment	22,209	20,583	19,907	7.9	3.4	4.4	21,943	20,412	19,822	12,930	69.7
Material handling equipment	8,571	8,602	8,537	-0.4	0.8	2.6	8,458	8,654	8,358	7,235	16.9
Computers and electronic products ²	124,601	124,075	123,755	0.4	0.3	-0.2	123,854	123,555	122,269	121,243	2.2
Computers	3,387	3,417	3,298	-0.9	3.6	-0.6	3,387	3,417	3,298	3,485	-2.8
Nondefense communications	-,	-,	-,				-,	-,	-,	-,	
equipment	22,675	22,357	22,228	1.4	0.6	-0.6	22,973	22,364	22,053	23,056	-0.4
Defense communications equipment	5,737	5,808	6,001	-1.2	-3.2	0.0	5,629	5,776	5,845	6,258	-10.1
Electronic components	11,705	11,614	11,503	0.8	1.0	-0.4	11,723	11,690	11,625	11,431	2.6
equipment Defense search and navigation	9,028	9,026	8,831	0.0	2.2	0.4	9,011	9,025	8,790	8,665	4.0
equipment	43,999	43,912	44,016	0.2	-0.2	0.0	43,262	43,395	43,351	42,254	2.4
Electromedical, measuring, and control instruments	28,070	27,941	27,878	0.5	0.2	-0.1	27,869	27,888	27,307	26,094	6.8
Electrical equipment, appliances,	24.450	07.704	24 205	0.0	1.1	0.0	07.070	0/ 410	0/ 055	22.4/1	17.4
and components	26,650	26,704	26,285	-0.2	1.6	0.9	26,379	26,418	26,355	22,461	17.4
Electric lighting equipment	1,089	1,067	1,056	2.1 0.0	1.0	-2.8	1,094 785	1,099 792	1,104	1,074	1.9 34.6
Household appliances	823	823	823		0.0	2.2			781	583	
Electrical equipment	14,608 510,766	14,524	14,621 508,307	0.6 -0.2	-0.7 0.7	-0.4 1.3	14,545 503,939	14,390 507,987	14,765	12,499 487,581	16.4 3.4
Transportation equipment Motor vehicle bodies, parts,		511,947	•					•	505,213		
and trailers	13,931	13,910	13,886	0.2	0.2	1.2	13,638	13,431	13,351	12,971	5.1
Nondefense aircraft and parts	355,396	355,738	353,660	-0.1	0.6	1.7	351,811	354,098	352,335	337,321	4.3
Defense aircraft and parts	55,223	55,199	55,660	0.0		1.9		54,207	55,007	50,912	5.8
Ships and boats	18,841	19,204	18,501	-1.9	3.8	-2.7	17,745	18,552	18,195	17,083	3.9
Furniture and related products	6,800	6,731	6,784	1.0	-0.8	-4.3	6,850	6,596	6,701	6,573	4.2

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

¹ Estimates of shipments and new orders are for the duration of the period, while estimates of unfilled orders and total inventories are for the end of the period. 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

			Seasonally A						easonally Adj	usted	
		Monthly		Pe	rcent Chan	ige		Mon	nthly		Percent
Industry	Oct. 2011 ^p	Sept. 2011 ^r	Aug. 2011	Sept Oct.	Aug Sept.	July - Aug.	Oct. 2011 ^p	Sept. 2011 ^r	Aug. 2011	Oct. 2010	Change Oct. 11/10
All manufacturing industries	607,147	601,587	600,709	0.9	0.1	0.3	609,776	600,538	606,466	547,063	11.5
Excluding transportation Excluding defense	493,528 581,456	488,857 575,981	488,340 574,671	1.0 1.0		0.1 0.3	496,091 584,064	488,246 575,013	493,046 580,496	449,921 522,377	10.3 11.8
With unfilled orders	300,525	299,420	299,976	0.4	-0.2		300,886	298,563	302,809	268,430	12.1
Durable goods industries	366,935	365,314	365,291	0.4	0.0	0.9	367,115	364,040	368,589	328,857	11.6
Wood products	8,558	8,499	8,503	0.7	0.0		8,670	8,568		8,493	2.1
Nonmetallic mineral products	11,076	11,035	10,947	0.4	0.8	0.9	10,796	10,864	10,867	10,087	7.0
Primary metals	34,176 21,259	34,331 21,419	34,512 21,535	-0.5 -0.7	-0.5 -0.5	0.7 1.1	34,175 21,332	34,560 21,691		29,796 18,195	14.7 17.2
Iron and steel mills Aluminum and nonferrous metals	10,860	10,865	10,954	0.0	-0.5	-0.2	10,793	10,874	21,864 11,068	9,783	10.3
Ferrous metal foundries	2,057	2,047	2,023	0.5	1.2	1.0	2,050	1,995	1,997	1,818	12.8
Fabricated metal products Machinery	46,190 59,810	45,941 59,619	45,982 59,467	0.5 0.3	-0.1 0.3	0.6 1.5	45,888 59,713	45,823 59,107	46,228 59,720	41,245 52,495	11.3 13.7
Farm machinery	3,368	3,393	3,463	-0.7	-2.0	3.8	3,071	3,152	3,314	2,568	19.6
Construction machinery Mining, oil field,	5,640	5,697	5,764	-1.0	-1.2	4.8	5,643	5,707	5,706	4,570	23.5
and gas field machinery	7,342	7,357	7,278	-0.2	1.1	1.3	7,278	7,354	7,401	6,253	16.4
Industrial machinery	6,921	6,940	6,806	-0.3	2.0	1.8 1.8	6,893	7,028	6,854	6,331	8.9
Photographic equipment Ventilation, heating, air-conditioning,	1,671	1,642	1,610	1.8	2.0	1.0	1,698	1,623	1,635	1,464	16.0
and refrigeration equipment	4,125	4,102	4,185	0.6	-2.0		4,070	3,988	4,248	3,959	2.8
Metalworking machinery Turbines, generators, and other	5,078	5,006	4,869	1.4	2.8	3.1	5,155	5,128	4,946	4,132	24.8
power transmission equipment	7,569	7,433	7,501	1.8	-0.9	0.5	7,837	7,320	7,706	6,485	20.8
Material handling equipment	3,682 48,132	3,691 48,128	3,678 48,447	-0.2 0.0	0.4 -0.7	1.2 -0.2	3,701 48,522	3,676 47,876	3,685 49,317	3,289 46,427	12.5 4.5
Computers	3,215	3,200	3,131	0.5	2.2	-3.6	3,219	3,404	3,335	3,012	6.9
Computer storage devices	1,401	1,396	1,381	0.4	1.1	0.0	1,443	1,364	1,435	1,326	8.8
Other peripheral equipment Nondefense communications	1,497	1,487	1,458	0.7	2.0	1.8	1,516	1,450	1,527	1,422	6.6
equipment	7,220	7,263	7,292	-0.6		1.0	7,299	7,086		6,991	4.4
Defense communications equipment Audio and video equipment	2,499 511	2,471 520	2,747 535	1.1 -1.7	-10.0 -2.8	1.6 1.3	2,499 579	2,471 588	2,747 584	2,484 590	0.6 -1.9
Electronic components	7,107	7,178	7,128	-1.0		-0.6	7,237	7,098	7,115	7,260	-0.3
Nondefense search and navigation	2 204	2.225	2.242	2.1	0.0	1.0	2.207	2 270	2 212	2 100	
equipment Defense search and navigation	3,304	3,235	3,262	2.1	-0.8	1.9	3,386	3,270	3,312	3,188	6.2
equipment	2,726	2,649	2,694	2.9	-1.7	-2.8	2,735	2,604	2,721	2,835	-3.5
Electromedical, measuring and control instruments	12,734	12,839	12,887	-0.8	-0.4	-0.4	12,736	12,676	13,145	11,918	6.9
Electrical equipment, appliances,											
and components Electric lighting equipment	15,536 1,796	15,389 1,787	15,570 1,766	1.0 0.5		0.3 0.3	15,525 1,787	15,246 1,767	15,825 1,809	14,971 1,698	3.7 5.2
Household appliances	2,116	2,124	2,214	-0.4	-4.1	0.7	2,173	2,159	2,307	2,284	-4.9
Electrical equipment	4,840	4,757	4,946	1.7	-3.8	-1.3	4,857	4,607	4,963	4,960	-2.1
Batteries Transportation equipment	1,070 113,619	1,045 112,730	1,019 112,369	2.4 0.8	2.6 0.3	1.7 1.4	1,062 113,685	1,056 112,292	1,063 113,420	1,026 97,142	3.5 17.0
Automobiles	3,397	3,352	3,183	1.3	5.3	2.4	3,354	3,257	3,227	2,663	25.9
Light trucks and utility vehicles Heavy duty trucks	3,409 1,451	3,275 1,472	3,155 1,458	4.1 -1.4	3.8 1.0	2.0 -1.2	3,444 1,497	3,391 1,462	3,352 1,486	2,490 1,473	38.3 1.6
Motor vehicle bodies, parts,											
and trailers Nondefense aircraft and parts	18,368 61,939	18,159 61,199	17,978 61,412	1.2 1.2	1.0 -0.3	0.9 1.8	18,269 61,960	18,061 60,880	17,961 62,091	16,492 49,601	10.8 24.9
Defense aircraft and parts	14,295	14,565	14,414	-1.9				14,661	14,475	13,804	4.1
Ships and boats Furniture and related products	3,585 6,756	3,411 6,785	3,434 6,847	5.1 -0.4	-0.7 -0.9	2.5 0.3	3,557 6,742	3,329 6,774	3,362 6,920	3,053 6,614	16.5 1.9
Miscellaneous durable goods	23,082	22,857	22,647	1.0			23,399	22,930		21,587	8.4
Nondurable goods industries	240,212	236,273	235,418	1.7	0.4	-0.5	242,661	236,498	237,877	218,206	11.2
Food products	44,861	44,612	45,059	0.6			47,704	45,320		45,560	4.7
Grain and oilseed milling	5,199	5,083	5,361	2.3	-5.2	-1.5	5,530	4,901	5,232	5,659	-2.3
Dairy products	6,058	6,073	6,099	-0.2	-0.4	1.4	6,061	6,132	6,297	5,674	6.8
Meat, poultry, and seafood products Beverage and tobacco products	8,508 16,596	8,413 16,526	8,513 16,474	1.1 0.4	-1.2 0.3	-0.4 -0.2	8,777 17,238	8,480 16,455	8,522 15,914	8,741 16,721	0.4 3.1
Beverages	13,154	13,105	13,028	0.4	0.6	0.0	13,756	13,140	12,664	13,096	5.0
Tobacco Textile mills	3,442 3,654	3,421 3,648	3,446 3,656	0.6 0.2	-0.7 -0.2	-0.9 0.7	3,482 3,634	3,315 3,649	3,250 3,635	3,625 3,128	-3.9 16.2
Textile products	3,057	3,056	3,058	0.0	-0.1	0.9	3,055	3,077	3,089	2,794	9.3
ApparelLeather and allied products	2,736 908	2,627 904	2,569 903	4.1 0.4	2.3 0.1	1.9 0.7	2,794 896	2,744 908	2,712 925	2,308 794	21.1 12.8
Paper products	14,062	14,052	14,018	0.4	0.1	0.7	14,015	14,014	14,013	13,856	1.1
Pulp, paper, and paperboard mills	6,053	6,047	6,003	0.1	0.7	0.3	6,003	6,000	5,977	5,776	3.9
Paperboard containers Printing	4,040 5,455	4,027 5,474	4,030 5,512	0.3 -0.3	-0.1 -0.7	0.6 -0.7	3,990 5,621	4,001 5,566	4,021 5,609	4,055 5,561	-1.6 1.1
Petroleum and coal products	53,810	50,710	49,752	6.1	1.9	-3.2	53,408	50,610	51,793	40,722	31.2
Petroleum refineries	50,070 74,163	47,091 73,805	46,288 73,458	6.3 0.5	1.7 0.5	-3.5 0.3	49,697 73,601	46,981 73,288	48,182 73,871	37,857 67,525	31.3 9.0
Pesticides, fertilizers, and other											
agricultural chemicals Pharmaceuticals and medicines	4,105 25,101	4,076 24,935	3,890 24,977	0.7 0.7	4.8 -0.2	4.4 -0.9	3,753 25,161	3,608 24,872	3,466 25,349	3,095 25,122	21.3 0.2
Paints, coatings, and adhesives	3,070	3,054	3,086	0.5	-1.0	-0.2	2,943	2,991	3,103	2,864	2.8
Plastics and rubber products	20,910	20,859	20,959	0.2	-0.5	0.4	20,695	20,867	20,992	19,237	7.6

^rRevised data due to late receipts and concurrent seasonal adjustment.

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

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

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

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

Lestimates are snown in millions of	i uonai s		sonally A		II OIII t	ile iviai	uracture	is silipi			Adjusted	ers survey	/.]
		Monthly	<u> </u>		ent Cha	inge		Mor	nthly			o date	Percent
Industry	Oct. 2011 ^p	Sept. 2011 ^r	Aug. 2011	Sept Oct.	Aug Sept.	July - Aug.	Oct. 2011 ^p	Sept. 2011 ^r	Aug. 2011	Oct. 2010	2011 ^p	2010	Change ⁶ 2011/ 2010
SHIPMENTS													
All manufacturing industries	455,440	452,874	451,411	0.6	0.3	0.1	460,504	466,684	472,254	414,825	4,469,424	4,001,089	11.7
Construction materials and supplies Information technology Computers and related products Motor vehicle and parts	37,488 24,627 6,361 30,115	37,154 24,708 6,026 28,362	37,475 24,548 5,794 28,870	0.9 -0.3 5.6 6.2	-0.9 0.7 4.0 -1.8	0.8 0.4 -0.5 -9.1	39,138 24,700 6,994 32,525	40,069 27,800 6,817 30,951	41,875 23,953 5,359 31,896	37,057 24,650 6,050 29,589	375,703 242,068 57,371 294,437	361,954 238,344 51,298 268,716	3.8 1.6 11.8 9.6
Capital goods Nondefense capital goods ³ Excluding aircraft Defense capital goods ⁴	78,882 71,872 66,289 7,010	78,679 71,087 66,350 7,592	79,029 71,470 66,689 7,559	0.3 1.1 -0.1 -7.7	-0.4 -0.5 -0.5 0.4	3.0 3.0 3.1 3.3	77,547 70,800 65,982 6,747	84,290 76,086 71,145 8,204	78,925 71,434 66,593 7,491	71,556 63,152 59,638 8,404	755,108 678,216 637,237 76,892	714,006 617,920 579,955 96,086	5.8 9.8 9.9 -20.0
Consumer goods Consumer durable goods Consumer nondurable goods	198,634 26,359 172,275	198,033 24,963 173,070	195,501 25,271 170,230	0.3 5.6 -0.5	1.3 -1.2 1.7	-1.1 -7.4 -0.1	202,022 27,812 174,210	200,425 26,776 173,649	205,002 26,875 178,127	25,430	1,954,317 256,874 1,697,443	1,682,171 236,752 1,445,419	16.2 8.5 17.4
NEW ORDERS													
All manufacturing industries ⁵	450,031	451,636	452,121	-0.4	-0.1	0.1	448,326	464,693	469,793	407,224	4,447,313	3,958,708	12.3
Construction materials and supplies Information technology Computers and related products Motor vehicle and parts	37,498 24,884 6,331 30,136	36,417 25,412 6,145 28,386	37,041 24,696 5,773 29,031	3.0 -2.1 3.0 6.2	-1.7 2.9 6.4 -2.2	-1.7 2.2 5.0 -9.0	38,741 24,741 6,964 32,732	38,844 29,503 6,936 31,031	41,066 22,943 5,338 31,700	36,395 23,359 5,952 29,882	379,815 243,350 57,104 294,279	365,268 239,956 51,239 267,787	4.0 1.4 11.4 9.9
Capital goods	79,157 72,561 67,889 6,596	83,750 75,387 68,451 8,363	86,199 78,159 67,495 8,040	-5.5 -3.7 -0.8 -21.1	-2.8 -3.5 1.4 4.0	4.7 5.4 0.9 -2.0	74,951 70,079 68,078 4,872	88,815 80,200 73,152 8,615	84,434 77,396 65,788 7,038	74,517 68,377 60,978 6,140	793,582 712,538 659,479 81,044	727,693 636,509 592,641 91,184	9.1 11.9 11.3 -11.1
Consumer goods Consumer durable goods Consumer nondurable goods	198,772 26,497 172,275	197,996 24,926 173,070	195,290 25,060 170,230	0.4 6.3 -0.5	1.4 -0.5 1.7	-1.2 -8.2 -0.1	202,206 27,996 174,210	200,362 26,713 173,649	26,516	25,500	1,954,268 256,825 1,697,443	1,682,639 237,220 1,445,419	16.1 8.3 17.4
UNFILLED ORDERS													
All manufacturing industries ⁵	885,934	884,132	878,731	0.2	0.6	0.9	875,094	877,634	874,132	817,558	(X)	(X)	7.0
Construction materials and supplies Information technology Computers and related products Motor vehicle and parts	57,142 125,003 3,387 13,931	57,132 124,746 3,417 13,910	57,869 124,042 3,298 13,886	0.0 0.2 -0.9 0.2	-1.3 0.6 3.6 0.2	-0.7 0.1 -0.6 1.2	56,544 124,095 3,387 13,638	56,941 124,054 3,417 13,431	58,166 122,351 3,298 13,351	52,186 120,287 3,485 12,971	(X) (X) (X) (X)	(X) (X) (X) (X)	8.4 3.2 -2.8 5.1
Capital goods Nondefense capital goods ³ Excluding aircraft.	674,075 521,903 209,197	673,800 521,214 207,597	668,729 516,914 205,496	0.0 0.1 0.8	0.8 0.8 1.0	1.1 1.3 0.4	208,336	669,282 518,583 206,240	204,233	481,429 182,307	(X) (X) (X)	(X) (X) (X)	6.9 7.6 14.3
Defense capital goods ⁴ Consumer goods	152,172 4,662	152,586 4,524	151,815 4,561	-0.3 3.1	0.5 -0.8	0.3 -4.4	148,824 4,561	150,699 4,377	150,288 4,440	142,459 4,445	(X) (X)	(X) (X)	4.5 2.6
Consumer durable goods	4,662	4,524	4,561	3.1	-0.8	-4.4	4,561	4,377	4,440	4,445	(X)	(X)	2.6
TOTAL INVENTORIES													
All manufacturing industries	607,147		600,709	0.9	0.1	0.3		•	606,466	, , , , , , , , , , , , , , , , , , , ,	(X)	(X)	11.5
Construction materials and supplies Information technology Computers and related products Motor vehicle and parts	57,695 42,851 6,113 26,625	57,445 42,747 6,083 26,258	57,287 43,001 5,970 25,774	0.4 0.2 0.5 1.4	0.3 -0.6 1.9 1.9	0.5 0.1 -1.5 1.1	57,353 43,126 6,178 26,564		43,864		(X) (X) (X)	(X) (X) (X) (X)	7.6 6.2 7.3 14.9
Capital goods	188,504 168,268 115,038 20,236	187,245 167,207 114,624 20,038	187,564 167,042 114,294 20,522	0.7 0.6 0.4 1.0	-0.2 0.1 0.3 -2.4	1.1 1.2 1.0 0.5	168,587	186,102 166,241 113,922 19,861	189,343 168,950 115,654 20,393	146,099 104,489	(X) (X) (X) (X)	(X) (X) (X) (X)	14.0 15.4 10.5 3.7
Consumer goods	182,635 27,679 154,956	178,793 27,481	178,012 27,221	2.1 0.7 2.4	0.4 1.0 0.3	-0.8 1.0 -1.2	27,931	179,503 27,593 151,910	180,700 27,689		(X) (X) (X)	(X) (X) (X)	11.0 9.3 11.3

X Not Applicable

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

^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 Topical series are regroupings of the separate industry categories.

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

⁴Defense 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.

Table 6. Value of Manufacturers' Inventories, by Stage of Fabrication, by Industry Group¹

[Estimates are shown in millions of	or donars a		Seasonally A		Mariara	oturers o	iipinents,		asonally Adj		
		Monthly		Pe	rcent Chan	ige		Mon	thly		Percent
Industry	Oct. 2011 ^p	Sept. 2011 ^r	Aug. 2011	Sept Oct.	Aug Sept.	July - Aug.	Oct. 2011 ^p	Sept. 2011 ^r	Aug. 2011	Oct. 2010	Change Oct. 11/10
MATERIALS AND SUPPLIES											
All manufacturing industries	199,719	196,726	196,938	1.5	-0.1	0.8	199,533	196,470	198,107	180,147	10.8
Durable goods industries	117,069	116,869	116,558	0.2	0.3	0.7	117,222	117,071	117,214	107,820	8.7
Wood products Nonmetallic mineral products	4,428	3,159 4,425	3,128 4,371	1.2 0.1	1.0 1.2	0.7 0.8	3,369 4,408	3,285 4,423	3,141 4,381	3,228 3,954	4.4 11.5
Primary metals Fabricated metal products	13,853 16,408	13,949 16,347	13,989 16,430	-0.7 0.4	-0.3 -0.5	0.6 0.2	14,048 16,273	14,212 16,406	14,094 16,546	12,526 14,657	12.2 11.0
Machinery	22,353	22,495	22,183	-0.6	1.4	1.3	22,417	22,498	22,323	19,514	14.9
Computers and electronic products Electrical equipment, appliances,	18,132	18,118	18,419	0.1	-1.6	-0.1	18,312	18,114	18,577	17,256	6.1
and components Transportation equipment		6,541 21,225	6,548 20,939	1.6 1.0	-0.1 1.4	-0.1 1.7	6,558 21,236	6,464 21,057	6,649 20,887	6,241 20,649	5.1 2.8
Furniture and related products Miscellaneous products	3,307 7,300	3,315 7,295	3,352 7,199	-0.2 0.1	-1.1 1.3	-0.8 0.7	3,278 7,323	3,301 7,311	3,359 7,257	3,153 6,642	4.0 10.3
Nondurable goods industries	82,650	79,857	80,380	3.5	-0.7	0.8	82,311	79,399	80,893	72,327	13.8
Food products Beverage and tobacco products	14,561	14,499 4,383	15,011 4,417	0.4 -0.7	-3.4 -0.8	1.5 1.7	15,144 4,401	14,239 4,264	14,653 4,203	14,926 4,424	1.5 -0.5
Textiles	1,311	1,316	1,297	-0.4	1.5	-0.5	1,293	1,317	1,302	1,124	15.0
Textile productsApparel	943	1,426 919	1,415 894	0.0 2.6	0.8 2.8	1.1 3.2	1,438 944	1,451 934	1,432 908	1,276 678	12.7 39.2
Leather and allied products Paper products	298 6,746	297 6,721	309 6,721	0.3 0.4	-3.9 0.0	-0.3 0.9	298 6,733	305 6,754	316 6,751	282 6,645	5.7 1.3
Printing	2,625	2,624	2,650	0.0	-1.0	-1.0	2,673	2,679	2,686	2,660	0.5
Petroleum and coal products Chemical products	23,538	15,515 23,346	15,631 23,284	15.6 0.8	-0.7 0.3	-0.2 1.1	17,510 23,130	15,286 23,283	16,381 23,413	12,470 20,344	40.4 13.7
Plastics and rubber products	8,915	8,811	8,751	1.2	0.7	0.6	8,747	8,887	8,848	7,498	16.7
WORK IN PROCESS	188,749	186,910	186,897	1.0	0.0	-0.2	190,446	185,169	187,995	167,516	13.7
All manufacturing industries Durable goods industries	142,740	141,654	142,336		-0.5	-0.2	143,030	140,907	143,822	124,238	15.7
Wood products	1,503	1,498	1,516	0.3	-1.2	-0.1	1,499	1,495	1,513	1,504	-0.3
Nonmetallic mineral products Primary metals	1,206 9,927	1,194 9,950	1,202 10,026	1.0 -0.2	-0.7 -0.8	-0.2 0.7	1,163 9,861	1,179 9,987	1,192 10,339	1,140 8,615	2.0 14.5
Fabricated metal products Machinery	12,864 15,199	12,742 14,913	12,795 14,930	1.0 1.9	-0.4 -0.1	1.2 -1.5	12,980 15,476	12,819 14,860	12,911 15,204	11,317 14,263	14.7 8.5
Computers and electronic products	18,339	18,245	18,306	0.5	-0.3	-0.3	18,370	17,941	18,637	17,780	3.3
Electrical equipment, appliances, and components		3,702	3,759	1.1	-1.5	2.1	3,710	3,629	3,852	3,316	11.9
Transportation equipment Furniture and related products	75,550 1,063	74,956 1,081	75,371 1,084	0.8 -1.7	-0.6 -0.3	1.1 1.6	75,516 1,054	74,539 1,076	75,701 1,086	61,967 973	21.9 8.3
Miscellaneous products	3,346	3,373	3,347	-0.8	0.8	2.2	3,401	3,382	3,387	3,363	1.1
Nondurable goods industries Food products	46,009 3,408	45,256 3,488	44,561 3,549	1.7 -2.3	1.6 -1.7	-2.8 -2.2	47,416 4,365	44,262 3,174	44,173 3,055	43,278 4,374	9.6 -0.2
Beverage and tobacco products	5,544	5,509	5,507	0.6	0.0	-0.6	5,926	5,328	4,980	5,805	2.1
Textiles Textile products		834 467	838 473	1.1 2.4	-0.5 -1.3	0.2 0.9	842 473	842 468	848 475	728 427	15.7 10.8
Apparel Leather and allied products	356 105	353 102	380 100	0.8 2.9	-7.1 2.0	3.3 5.3	354 105	363 100	402 98	352 78	0.6 34.6
Paper products Printing	1,296	1,275 1,223	1,261 1,247	1.6 -0.6	1.1 -1.9	-2.1 0.3	1,271 1,299	1,275 1,260	1,282 1,297	1,217 1,295	4.4 0.3
Petroleum and coal products	15,901	15,607	14,875	1.9	4.9	-6.1	15,856	15,258	15,288	12,109	30.9
Chemical products Plastics and rubber products	14,888 1,974	14,430 1,968		3.2 0.3	0.6 -0.6		14,978 1,947	14,221 1,973	14,473 1,975	14,807 2,086	1.2 -6.7
FINISHED GOODS											
All manufacturing industries	218,679	217,951	216,874	0.3	0.5	0.4	219,797	218,899	220,364	199,400	10.2
Durable goods industries	107,126 3,859	106,791 3,842	106,397 3,859	0.3 0.4	0.4 -0.4	1.4 0.8	106,863 3,802	106,062 3,788	107,553 3,851	96,799 3,761	10.4 1.1
Nonmetallic mineral products	5,442	5,416	5,374	0.5	0.8	1.3	5,225	5,262	5,294	4,993	4.6
Primary metals Fabricated metal products	10,396 16,918	10,432 16,852	10,497 16,757	-0.3 0.4	-0.6 0.6	0.7 0.6	10,266 16,635	10,361 16,598	10,496 16,771	8,655 15,271	18.6 8.9
Machinery Computers and electronic products	22,258 11,661	22,211 11,765	22,354 11,722	0.2 -0.9	-0.6 0.4	3.9 -0.5	21,820 11,840	21,749 11,821	22,193 12,103	18,718 11,391	16.6 3.9
Electrical equipment, appliances,											
and components Transportation equipment	16,622	5,146 16,549	5,263 16,059	0.0 0.4	-2.2 3.1	-0.5 2.2	5,257 16,933	5,153 16,696	5,324 16,832	5,414 14,526	-2.9 16.6
Furniture and related products Miscellaneous products	2,386 12,436	2,389 12,189	2,411 12,101	-0.1 2.0	-0.9 0.7	1.1 0.3	2,410 12,675	2,397 12,237	2,475 12,214	2,488 11,582	-3.1 9.4
Nondurable goods industries	111,553	111,160	110,477	0.4	0.6	-0.5	112,934	112,837	112,811	102,601	10.1
Food products Beverage and tobacco products		26,625 6,634	26,499 6,550	1.0 1.0	0.5 1.3	-0.4 -1.0	28,195 6,911	27,907 6,863	27,616 6,731	26,260 6,492	7.4 6.5
TextilesTextile products	1,500	1,498 1,163	1,521 1,170	0.1	-1.5 -0.6	1.9 0.8	1,499 1,144	1,490 1,158	1,485 1,182	1,276 1,091	17.5 4.9
Apparel	1,437	1,355	1,295	6.1	4.6	0.6	1,496	1,447	1,402	1,278	17.1
Leather and allied products Paper products	505 6,020	505 6,056	494 6,036	0.0 -0.6	2.2 0.3	0.4 -0.1	493 6,011	503 5,985	511 5,980	434 5,994	13.6 0.3
Printing Petroleum and coal products	1,614	1,627 19,588	1,615 19,246	-0.8 2.0	0.7 1.8	-1.0 -3.2	1,649 20,042	1,627 20,066	1,626 20,124	1,606 16,143	2.7 24.2
Chemical products	35,737	36,029	35,823	-0.8	0.6	0.4	35,493	35,784	35,985	32,374	9.6
Plastics and rubber products	10,021	10,080	10,228	-0.6	-1.4	0.6	10,001	10,007	10,169	9,653	3.6

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

¹ Estimates of shipments and new orders are for the duration of the period, while estimates of unfilled orders and total inventories are for the end of the period. 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.

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.]

pased on seasonally Adjusted data from the Mai		tory/Shi				Orders/		s ratio1
Industry	Oct 2011 ^p	Sep 2011 ^r	Aug 2011	Jul 2011	Oct 2011 ^p	Sep 2011 ^r	Aug 2011	Jul 2011
All manufacturing industries ²	1.33	1.33	1.33	1.33	(X)	(X)	(X)	(X)
Durable goods industries ²	1.80	1.82	1.81	1.80	6.07	6.08	6.07	6.06
Wood products	1.58	1.60	1.61	1.58	(X)	(X)	(X)	(X)
Nonmetallic mineral products	1.38	1.39	1.39	1.38	` '	(X)	(X)	(X)
Primary metals	1.35	1.40	1.43	1.41	1.28	1.31	1.31	1.30
Fabricated metal products	1.83	1.82	1.84	1.84	2.69	2.66	2.67	2.68
Machinery	1.95	1.91	1.89	1.97	4.34	4.16	4.25	4.40
Computers and electronic products ² Electrical equipment, appliances,	1.53	1.56	1.55	1.57	5.72	5.69	5.67	5.66
and components	1.53	1.50	1.51	1.57	2.86	2.84	2.79	2.86
Transportation equipment	2.35	2.45	2.39	2.25	15.68	16.16	15.77	15.39
Furniture and related products	1.25	1.23	1.23	1.26	1.45	1.41	1.40	1.51
Miscellaneous products	1.68	1.67	1.67	1.66	(X)	(X)	(X)	(X)
Nondurable goods industries	0.96	0.94	0.94		(X)	(X)	(X)	(X)
Food products	0.71	0.71	0.72	0.73	(X)	(X)	(X)	(X)
Beverage and tobacco products	1.36	1.33	1.34	1.37	(X)	(X)	(X)	(X)
Textiles	1.43	1.41	1.41	1.39	(X)	(X)	(X)	(X)
Textile products	1.64	1.64	1.66	1.66	(X)	(X)	(X)	(X)
Apparel	1.91	1.87	1.87	1.95	(X)	(X)	(X)	(X)
Leather and allied products	2.97	2.94	2.90	2.82	(X)	(X)	(X)	(X)
Paper products	0.99	0.99	0.98	0.97	(X)	(X)	(X)	(X)
Printing	0.79	0.78	0.78	0.81	(X)	(X)	(X)	(X)
Petroleum and coal products	0.76	0.71	0.72	0.73	(X)	(X)	(X)	(X)
Chemical products	1.20	1.20	1.18	1.18	(X)	(X)	(X)	(X)
Plastics and rubber products	1.28	1.28	1.29	1.29	(X)	(X)	(X)	(X)

X Not Applicable

^p Preliminary

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

Table 8. Revisions to Previously Published Monthly Percent Changes³

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

-	Ship	ments	New C	Orders	Unfilled	Orders	Inven	tories
Industry	Oct ¹ 2011	Oct ² 2010- Sep 2011	Oct ¹ 2011	Oct ² 2010- Sep 2011	Oct ¹ 2011	Oct ² 2010- Sep 2011	Oct ¹ 2011	Oct ² 2010- Sep 2011
All manufacturing industries	(X)	0.3	(X)	0.4	(X)	0.1	(X)	0.2
Durable goods industries Wood products. Nonmetallic mineral products. Primary metals Fabricated metal products Machinery Computers and electronic products. Electrical equipment, appliances, and components Transportation equipment. Furniture and related products. Miscellaneous products.	0.3 (X) (X) 0.2 -0.2 1.5 0.6 -0.2 -0.2 (X) (X)	0.4 0.8 0.3 0.9 0.3 0.9 0.4 0.8 0.7 0.5 0.3	0.2 (X) (X) 0.0 -0.1 1.3 0.9 -0.1 -0.3 (X) (X)	0.7 (NA) (NA) 2.1 0.7 2.3 0.7 1.0 1.3 1.2 0.4	0.0 (X) (X) -0.1 0.0 -0.2 0.1 0.1 0.0 (X) (X)	0.1 (NA) (NA) 1.0 0.2 0.6 0.1 0.3 0.1 0.7 0.1	-0.1 (X) (X) -0.5 0.0 -0.3 -0.1 (X) (X)	0.2 0.5 0.2 0.6 0.3 0.2 0.1 0.3 0.2 0.3 0.1
Nondurable goods industries Food products Beverage and tobacco products Textiles Textile products Apparel Leather and allied products Paper products Printing Petroleum and coal products Chemical products Plastics and rubber products	888888888888888888888888888888888888888	0.3 0.3 0.6 0.6 0.5 0.9 0.1 0.6 0.9 0.5	888888888888888888888888888888888888888	(NA) (NA) (NA) (NA) (NA) (NA) (NA) (NA)	(X) (X) (X) (X) (X) (X) (X) (X) (X) (X)	(24) (24) (24) (24) (24) (24) (24) (24)	(X) (X) (X) (X) (X) (X) (X) (X) (X) (X)	0.3 0.3 0.2 0.7 0.5 0.6 0.4 0.2 0.7 0.9 0.2

X Not Applicable

NA Not Available

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

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

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.

2012 Release Dates for the M3 Survey

Survey month	Advance Report	Full Report
	(8:30 a.m. release time)	(10:00 a.m. release time)
October 2011	November 23, 2011	December 5, 2011
November 2011	December 23, 2011	January 4, 2012
December 2011	January 26, 2012	February 3, 2012
January 2012	February 28, 2012	March 5, 2012
February 2012	March 28, 2012	April 3, 2012
March 2012	April 25, 2012	May 2, 2012
April 2012	May 24, 2012	June 4, 2012
May 2012	June 27, 2012	July 3, 2012
June 2012	July 26, 2012	August 2, 2012
July 2012	August 24, 2012	August 31, 2012
August 2012	September 27, 2012	October 4, 2012
September 2012	October 25, 2012	November 2, 2012
October 2012	November 27, 2012	December 5, 2012
November 2012	December 24, 2012	Not available at this time