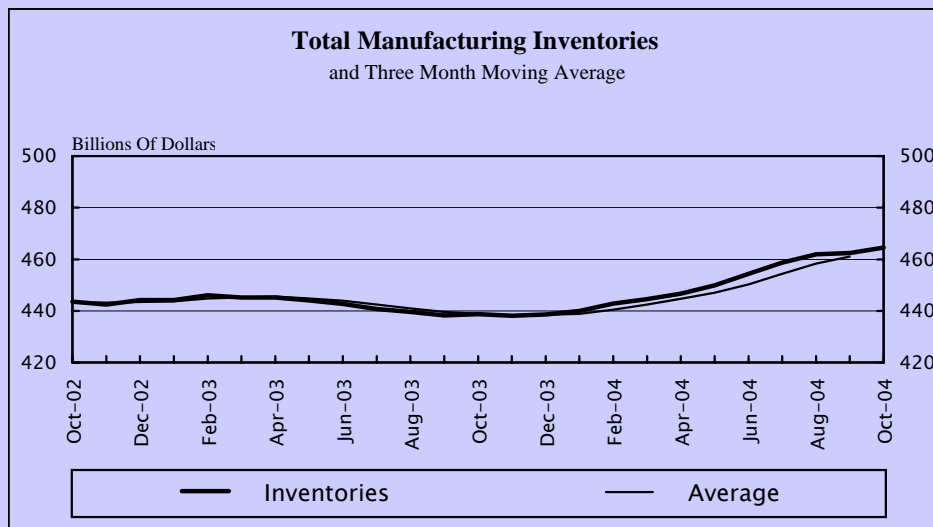
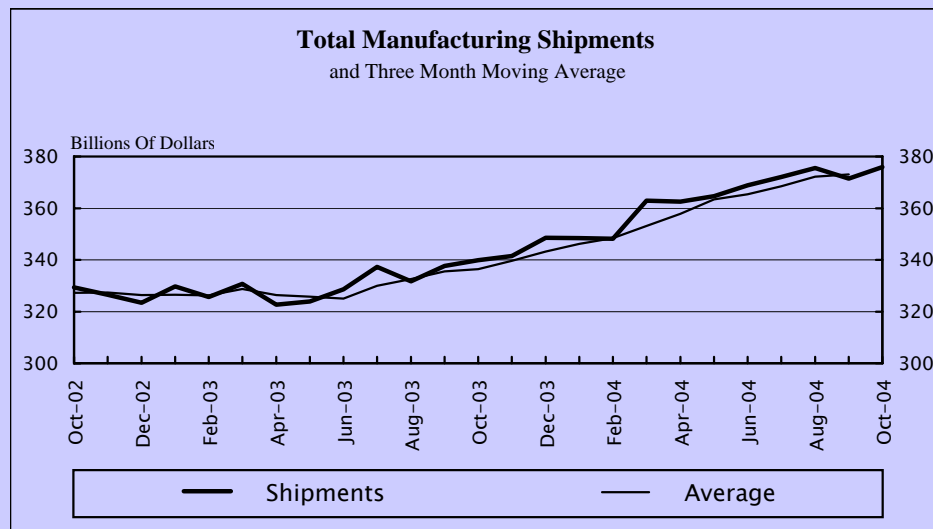


Manufacturers' Shipments, Inventories, and Orders: October 2004

Issued December 2004

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For data, call 301-763-4673. For inquiries, contact Chris Savage or Patrick Kent, Manufacturers' Shipments, Inventories and Orders Branch, Manufacturing and Construction Division (MCD), Washington, DC 20233-6900 or call 301-763-4832.

The advance report on durable goods for November is scheduled for December 23, 2004 at 8:30 a.m. and the full report on January 4, 2005 at 10:00 a.m.
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Figures in text, other than year-to-date, are in seasonally adjusted current dollars. Figures on new and unfilled orders exclude data for semiconductor manufacturing.

Summary

New orders for manufactured goods in October increased \$1.9 billion or 0.5 percent to \$371.5 billion, the Department of Commerce, Census Bureau reported today. This followed a slight increase in September.

Shipments, up five of the last six months, increased \$4.5 billion or 1.2 percent to \$375.9 billion. This was at the highest level since the series was first stated on a NAICS basis in 1992 and followed a 1.1 percent September decrease.

Unfilled orders, up fourteen of the last fifteen months, increased \$2.7 billion or 0.5 percent to \$543.0 billion. This followed a 0.9 percent September increase. The unfilled orders-to-shipments ratio was 3.97, up from 3.96 in September.

Inventories, up eleven consecutive months, increased \$2.2 billion or 0.5 percent to \$464.6 billion. This followed a 0.1 percent September increase. The inventories-to-shipments ratio was unchanged at 1.24.

New Orders

New orders for manufactured durable goods in October decreased \$2.3 billion or 1.1 percent to \$195.2 billion, revised from the previously published \$0.9 billion decrease.

Computers and electronic products, down following two consecutive increases, had the largest decrease, \$2.4 billion or 6.5 percent to \$34.5 billion.

New orders for manufactured nondurable goods increased \$4.2 billion or 2.4 percent to \$176.3 billion.

Shipments

Shipments of manufactured durable goods in October, up four of the last five months, increased \$0.3 billion or 0.1 percent to \$199.6 billion, revised from the previously published \$1.3 billion increase.

Computers and electronic products, up four of the last five months, increased \$1.1 billion or 2.8 percent to \$40.0 billion. Machinery increased \$0.4 billion or 1.8 percent to \$25.8 billion. This was also at the highest level since the series began in 1992.

Shipments of manufactured nondurable goods, up six of the last eight months, increased \$4.2 billion or 2.4 percent to \$176.3 billion. This was also at the highest level since the series began in 1992. Petroleum and coal products had the largest increase, \$2.3 billion or 8.0 percent to \$31.4 billion. This was also at the highest level since the series began in 1992.

Unfilled Orders

Unfilled orders of manufactured durable goods in October, up fourteen of the last fifteen months, increased \$2.7 billion or 0.5 percent to \$543.0 billion, revised from the previously published \$3.0 billion increase. This followed a 0.9 percent September increase.

Computers and electronic products, up eight of the last nine months, had the largest increase, \$1.7 billion or 1.2 percent to \$141.5 billion. This was also at the highest level since the series began in 1992 and followed a 3.6 percent September increase.

Inventories

Inventories of manufactured durable goods in October, up eleven consecutive months, increased \$1.7 billion or 0.6 percent to \$279.7 billion, revised from the previously published \$1.5 billion increase.

Primary metals, up twelve consecutive months, had the largest increase, \$0.7 billion or 3.5 percent to \$20.9 billion. Computers and electronic products, up eight consecutive months, increased \$0.5 billion or 0.9 percent to \$49.5 billion.

Inventories of manufactured nondurable goods, up nine of the last ten months, increased \$0.5 billion or 0.3 percent to \$184.9 billion. Petroleum and coal products had the largest increase, \$0.9 billion or 4.9 percent to \$18.2 billion. This was also at the highest level since the series began in 1992.

By stage of fabrication, October materials and supplies increased 1.2 percent in durable goods and 0.4 percent in nondurable goods. Work in process increased 0.6 percent in durable goods and decreased 1.0 percent in nondurable goods. Finished goods decreased slightly in durable goods and increased 0.6 percent in nondurable goods.

SEE BACK PAGE FOR SURVEY DESCRIPTION

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Table 1. Value of Manufacturers' Shipments for Industry Groups

[Millions of Dollars]

Industry	Seasonally Adjusted						Not Seasonally Adjusted ¹						
	Monthly			Percent Change			Monthly			Year to date			
	Oct. 2004 ^p	Sept. 2004 ^r	Aug. 2004	Sept. - Oct.	Aug. - Sept.	July - Aug.	Oct. 2004 ^p	Sept. 2004 ^r	Aug. 2004	Oct. 2003	2004 ^p	2003	Percent 2004/ 2003
All manufacturing industries	375,932	371,479	375,537	1.2	-1.1	0.9	385,760	393,323	382,018	356,009	3,674,856	3,319,734	10.7
Excluding transportation	322,779	317,697	320,865	1.6	-1.0	0.3	330,025	335,069	326,581	298,468	3,131,690	2,803,878	11.7
Excluding defense	366,186	362,067	365,658	1.1	-1.0	0.9	376,279	382,913	372,561	347,039	3,578,517	3,231,644	10.7
With unfilled orders	136,908	136,310	137,288	0.4	-0.7	0.7	138,625	146,766	136,958	127,694	1,336,887	1,205,511	10.9
Durable goods industries	199,604	199,341	201,398	0.1	-1.0	1.9	203,835	215,833	202,400	192,632	1,967,589	1,782,306	10.4
Wood products.....	9,016	9,430	9,749	-4.4	-3.3	6.7	9,409	10,095	10,610	9,060	93,270	77,545	20.3
Nonmetallic mineral products.....	7,564	7,470	7,559	1.3	-1.2	0.2	8,186	8,064	8,397	8,475	76,350	74,542	2.4
Primary metals.....	14,484	14,585	14,511	-0.7	0.5	2.1	14,865	14,955	14,908	11,636	138,051	110,659	24.8
Iron and steel mills.....	7,024	7,027	7,038	0.0	-0.2	1.6	7,113	7,244	7,257	5,084	64,585	50,206	28.6
Aluminum and nonferrous metals.....	5,844	5,968	5,881	-2.1	1.5	3.3	6,059	6,064	6,007	5,146	57,873	47,434	22.0
Ferrous metal foundries.....	1,616	1,590	1,592	1.6	-0.1	-0.3	1,693	1,647	1,644	1,406	15,593	13,019	19.8
Fabricated metal products.....	22,957	23,195	23,162	-1.0	0.1	0.0	24,063	24,427	24,256	22,013	227,647	206,156	10.4
Machinery.....	25,817	25,369	24,885	1.8	1.9	-0.9	25,400	26,427	24,026	21,515	244,580	211,181	15.8
Farm machinery.....	2,008	1,837	1,899	9.3	-3.3	1.0	1,829	1,834	1,807	1,268	18,228	14,388	26.7
Construction machinery.....	2,639	2,650	2,514	-0.4	5.4	6.3	2,608	2,507	2,351	1,926	23,971	17,664	35.7
Mining, oil field, and gas field machinery.....	954	963	918	-0.9	4.9	1.8	875	1,043	893	648	8,628	7,014	23.0
Industrial machinery.....	3,714	3,315	3,193	12.0	3.8	-11.2	3,678	3,567	2,813	2,953	33,021	29,043	13.7
Photographic equipment.....	854	839	862	1.8	-2.7	-7.4	915	922	827	1,009	8,796	8,120	8.3
Ventilation, heating, air-conditioning, and refrigeration equipment.....	2,866	2,937	2,735	-2.4	7.4	-2.6	2,695	3,168	2,862	2,435	28,122	25,353	10.9
Metalworking machinery.....	1,968	2,120	2,100	-7.2	1.0	-1.4	2,165	2,537	2,141	1,678	20,236	16,782	20.6
Turbines, generators, and other power transmission equipment.....	3,365	3,301	3,304	1.9	-0.1	1.2	3,268	3,470	3,246	2,655	31,415	26,474	18.7
Material handling equipment.....	1,486	1,530	1,558	-2.9	-1.8	3.7	1,496	1,573	1,505	1,490	14,946	13,458	11.1
Computers and electronic products	39,975	38,889	39,986	2.8	-2.7	1.6	39,208	45,072	37,728	35,956	380,840	337,422	12.9
Computers.....	6,424	5,794	5,339	10.9	8.5	-2.5	7,534	6,550	5,107	6,443	55,666	48,030	15.9
Computer storage devices.....	1,514	1,546	1,519	-2.1	1.8	-0.2	980	2,516	1,138	864	14,037	12,594	11.5
Other peripheral equipment.....	1,618	1,474	1,716	9.8	-14.1	4.2	1,390	1,897	1,539	1,305	15,098	14,254	5.9
Nondefense communications equipment.....	6,343	6,390	6,978	-0.7	-8.4	7.1	5,815	7,244	6,412	5,663	62,285	56,746	9.8
Defense communications equipment.....	734	502	511	46.2	-1.8	1.6	693	551	515	455	5,291	4,272	23.9
Audio and video equipment.....	761	703	762	8.3	-7.7	9.0	946	782	745	885	6,661	6,580	1.2
Semiconductors	7,162	6,835	7,481	4.8	-8.6	-0.5	7,351	7,703	7,270	6,405	70,103	57,894	21.1
Electronic components.....	4,447	4,567	4,579	-2.6	-0.3	-0.4	4,476	4,974	4,554	4,376	44,278	40,660	8.9
Nondefense search and navigation equipment.....	940	939	881	0.1	6.6	7.4	889	1,087	879	804	9,008	8,371	7.6
Defense search and navigation equipment.....	2,718	2,764	2,731	-1.7	1.2	0.0	2,634	2,955	2,582	2,474	26,056	23,848	9.3
Electromedical, measuring, and control instruments.....	6,771	6,864	6,954	-1.4	-1.3	2.4	5,869	8,255	6,461	5,658	67,041	59,209	13.2
Electrical equipment, appliances, and components.....	8,956	8,920	9,197	0.4	-3.0	1.6	8,890	9,966	9,139	8,583	88,000	83,813	5.0
Electric lighting equipment.....	1,079	1,102	1,095	-2.1	0.6	0.1	1,047	1,233	1,056	1,030	10,572	10,238	3.3
Household appliances.....	2,050	2,116	2,097	-3.1	0.9	1.4	1,978	2,302	2,153	2,016	20,113	19,527	3.0
Electrical equipment.....	2,685	2,611	2,711	2.8	-3.7	0.7	2,608	2,993	2,717	2,461	26,332	24,740	6.4
Batteries.....	514	520	520	-1.2	0.0	4.6	587	632	507	545	4,895	4,546	7.7
Transportation equipment.....	53,153	53,782	54,672	-1.2	-1.6	4.7	55,735	58,254	55,437	57,541	543,166	515,856	5.3
Automobiles.....	7,095	7,515	7,682	-5.6	-2.2	6.8	7,776	8,210	8,036	8,631	76,007	72,913	4.2
Light trucks and utility vehicles.....	11,123	11,212	11,054	-0.8	1.4	16.1	12,324	12,312	11,447	13,180	114,035	107,836	5.7
Heavy duty trucks	1,283	1,339	1,277	-4.2	4.9	-1.8	1,438	1,380	1,302	1,278	12,544	10,951	14.5
Motor vehicle bodies, parts, and trailers.....	17,946	18,216	18,604	-1.5	-2.1	-0.3	19,215	19,054	19,189	20,461	186,285	181,602	2.6
Nondefense aircraft and parts.....	6,306	6,306	6,313	0.0	-0.1	6.9	5,763	6,994	5,906	4,904	58,454	54,441	7.4
Defense aircraft and parts.....	3,496	3,427	3,724	2.0	-8.0	5.1	3,392	3,924	3,516	3,375	36,453	32,446	12.3
Ships and boats.....	2,355	2,319	2,352	1.6	-1.4	-4.0	2,477	2,357	2,486	2,291	23,737	21,346	11.2
Furniture and related products.....	6,240	6,169	6,322	1.2	-2.4	-2.3	6,476	6,458	6,764	6,255	62,446	58,220	7.3
Miscellaneous durable goods	11,442	11,532	11,355	-0.8	1.6	-0.2	11,603	12,115	11,135	11,598	113,239	106,912	5.9
Nondurable goods industries.....	176,328	172,138	174,139	2.4	-1.1	-0.2	181,925	177,490	179,618	163,377	1,707,267	1,537,428	11.0
Food products.....	41,198	40,538	41,096	1.6	-1.4	-2.0	43,225	42,046	42,042	41,352	403,127	381,634	5.6
Grain and oilseed milling.....	3,276	3,228	3,102	1.5	4.1	-10.3	3,358	3,214	3,163	4,550	33,502	41,032	-18.4
Dairy products.....	6,265	6,144	6,329	2.0	-2.9	-4.6	6,255	6,322	6,445	5,895	63,478	54,203	17.1
Meat, poultry, and seafood products.....	13,040	12,967	12,946	0.6	0.2	2.6	13,574	13,085	13,531	11,672	121,774	111,695	9.0
Beverage and tobacco products.....	9,163	9,238	9,308	-0.8	-0.8	3.2	9,112	9,409	9,698	8,840	91,166	88,513	3.0
Beverages.....	6,069	6,128	6,110	-1.0	0.3	3.1	6,018	6,299	6,500	5,778	60,311	57,522	4.8
Tobacco.....	3,094	3,110	3,198	-0.5	-2.8	3.5	3,094	3,110	3,198	3,062	30,855	30,991	-0.4
Textile mills.....	3,446	3,485	3,487	-1.1	-0.1	-0.5	3,642	3,766	3,613	3,562	34,985	33,512	4.4
Textile products.....	3,167	3,130	3,157	1.2	-0.9	0.3	3,331	3,203	3,414	3,113	32,033	29,274	9.4
Apparel.....	4,730	4,727	4,657	0.1	1.5	-2.3	5,397	5,065	5,046	5,176	47,634	44,338	7.4
Leather and allied products.....	829	872	906	-4.9	-3.8	1.1	851	907	988	925	8,731	9,008	-3.1
Paper products.....	14,450	14,409	14,703	0.3	-2.0	0.7	14,720	14,784	15,137	13,861	143,600	133,258	7.8
Pulp, paper, and paperboard mills.....	6,163	6,055	6,037	1.8	0.3	-0.9	6,287	6,136	6,309	5,824	60,034	57,693	4.1
Paperboard containers.....	3,910	3,930	4,058	-0.5	-3.2	1.9	4,080	4,020	4,263	3,819	38,652	36,823	5.0
Printing.....	7,874	7,926	7,785	-0.7	1.8	-2.8	8,493	8,399	8,014	8,340	78,595	78,687	-0.1
Petroleum and coal products.....	31,401	29,082	29,024	8.0	0.2	1.2	31,955	29,666	30,877	20,941	277,185	200,442	38.3
Petroleum refineries.....	29,038	26,808	26,739	8.3	0.3	1.1	29,290	26,988	28,156	18,897	254,642	182,979	39.2
Basic chemicals.....	43,113	41,628	42,788	3.6	-2.7	-0.2	43,757	42,802	43,073	40,554	420,169	382,713	9.8
Pesticides, fertilizers, and other agricultural chemicals.....	1,841	1,822	1,807	1.0	0.8	0.2	1,343	1,326	1,407	1,278	17,681	15,908	11.1
Pharmaceuticals and medicines.....	9,521	8,766	9,983	8.6	-12.2	-2.8	10,447	9,628	10,115	10,639	97,004	98,436	-1.5
Paints, coatings, and adhesives.....	2,461	2,513	2,556	-2.1	-1.7	3.7	2,437	2,594	2,743	2,485	25,848	24,285	6.4
Plastics and rubber products.....	16,957	17,103	17,228	-0.9	-0.7	1.4	17,442	17,443	17,716	16,713	170,042	156,049	9.0

^p Preliminary ^r Revised NA Not available.¹ Shipments are the totals for the period and are adjusted for trading-day and calendar-month variations. See note at end of Table 2 relating to survey error and revision.

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

[Millions of Dollars]

Industry	Seasonally Adjusted						Not Seasonally Adjusted ¹						
	Monthly			Percent Change			Monthly				Year to date		
	Oct. 2004 ^p	Sept. 2004 ^r	Aug. 2004	Sept. - Oct.	Aug. - Sept.	July - Aug.	Oct. 2004 ^p	Sept. 2004 ^r	Aug. 2004	Oct. 2003	2004 ^p	2003	Percent 2004/ 2003
All manufacturing industries ²	371,507	369,578	369,574	0.5	0.0	-0.3	379,469	386,534	371,988	356,785	3,635,549	3,272,838	11.1
Excluding transportation ²	319,040	316,980	315,056	0.6	0.6	1.2	325,784	330,956	317,996	298,300	3,091,150	2,757,618	12.1
Excluding defense ²	357,837	357,888	360,064	0.0	-0.6	-0.4	367,114	375,506	364,939	346,566	3,536,190	3,178,442	11.3
With unfilled orders ²	139,645	141,244	138,806	-1.1	1.8	-2.7	139,685	147,680	134,198	134,875	1,367,683	1,216,509	12.4
Durable goods industries ²	195,179	197,440	195,435	-1.1	1.0	-0.5	197,544	209,044	192,370	193,408	1,928,282	1,735,410	11.1
Primary metals.....	14,019	14,449	14,928	-3.0	-3.2	-0.6	13,656	14,439	15,385	12,200	140,671	111,095	26.6
Iron and steel mills.....	6,459	6,816	7,351	-5.2	-7.3	-2.1	5,932	6,876	7,783	5,619	65,666	50,784	29.3
Aluminum and nonferrous metals.....	5,944	6,013	5,969	-1.1	0.7	2.1	6,002	5,921	5,950	5,083	59,074	47,170	25.2
Ferrous metal foundries.....	1,616	1,620	1,608	-0.2	0.7	-3.4	1,722	1,642	1,652	1,498	15,931	13,141	21.2
Fabricated metal products.....	23,914	23,228	23,556	3.0	-1.4	2.2	24,733	23,431	24,575	22,338	234,528	206,426	13.6
Machinery.....	26,631	26,196	25,345	1.7	3.4	2.3	26,270	26,882	23,899	21,779	250,930	209,943	19.5
Construction machinery.....	2,719	2,810	2,714	-3.2	3.5	15.3	2,735	2,505	2,474	1,964	25,442	17,766	43.2
Mining, oil field, and gas field machinery.....	946	945	886	0.1	6.7	3.0	867	1,025	861	690	8,913	7,120	25.2
Industrial machinery.....	3,914	3,913	3,391	0.0	15.4	-6.7	4,125	3,920	2,777	3,139	35,096	29,117	20.5
Photographic equipment.....	889	850	850	4.6	0.0	-6.4	957	914	809	1,016	8,885	8,355	6.3
Ventilation, heating, air-conditioning, and refrigeration equipment.....	2,914	2,940	2,702	-0.9	8.8	-0.9	2,673	3,019	2,766	2,423	28,407	25,790	10.1
Metalworking machinery.....	1,984	2,131	2,085	-6.9	2.2	-2.3	2,269	2,489	2,027	1,836	20,799	16,960	22.6
Turbines, generators, and other power transmission equipment.....	3,329	3,256	3,575	2.2	-8.9	18.3	3,113	3,404	3,468	2,552	31,844	23,794	33.8
Material handling equipment.....	1,532	1,618	1,549	-5.3	4.5	6.8	1,482	1,920	1,349	1,416	15,054	13,235	13.7
Computers and electronic products ²	34,483	36,878	32,584	-6.5	13.2	6.0	34,006	41,752	28,429	33,673	321,047	289,866	10.8
Computers.....	5,671	6,758	5,096	-16.1	32.6	0.1	6,779	7,355	4,980	6,171	55,109	48,470	13.7
Nondefense communications equipment.....	6,363	6,140	6,690	3.6	-8.2	10.5	6,396	7,111	4,842	8,961	61,246	65,092	-5.9
Defense communications equipment.....	4,013	3,430	372	17.0	822.0	-31.6	3,972	3,479	376	658	11,379	4,532	151.1
Semiconductors ²	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Electronic components.....	3,987	4,351	5,010	-8.4	-13.2	16.2	3,861	4,764	5,119	4,628	45,445	38,701	17.4
Nondefense search and navigation equipment.....	696	1,140	1,066	-38.9	6.9	18.1	688	1,260	963	856	9,332	8,567	8.9
Defense search and navigation equipment.....	2,794	3,084	2,745	-9.4	12.3	-1.4	2,392	3,307	1,949	2,611	27,392	24,659	11.1
Electromedical, measuring, and control instruments.....	6,523	7,741	7,073	-15.7	9.4	6.7	5,971	8,723	6,252	6,110	70,032	61,453	14.0
Electrical equipment, appliances, and components.....	8,840	9,176	9,436	-3.7	-2.8	4.4	8,944	9,958	9,333	8,877	89,791	84,115	6.7
Electric lighting equipment.....	1,141	1,196	1,310	-4.6	-8.7	36.0	1,124	1,270	1,278	918	11,082	10,230	8.3
Household appliances.....	1,932	2,082	2,290	-7.2	-9.1	7.4	1,855	2,224	2,400	2,074	20,168	19,510	3.4
Electrical equipment.....	2,735	2,734	2,663	0.0	2.7	0.6	2,789	3,023	2,602	2,696	27,083	25,342	6.9
Transportation equipment.....	52,467	52,598	54,518	-0.2	-3.5	-8.3	53,685	55,578	53,992	58,485	544,399	515,220	5.7
Motor vehicle bodies, parts, and trailers.....	17,518	18,346	18,865	-4.5	-2.8	0.9	18,572	19,007	19,200	20,823	186,996	181,876	2.8
Nondefense aircraft and parts.....	5,572	5,557	6,706	0.3	-17.1	-46.2	4,589	6,634	6,614	4,635	62,752	47,169	33.0
Defense aircraft and parts.....	3,256	2,407	2,779	35.3	-13.4	-7.6	2,592	2,141	1,600	3,131	28,927	35,698	-19.0
Ships and boats.....	2,457	1,833	2,172	34.0	-15.6	-6.5	2,830	1,534	2,175	1,729	21,780	19,425	12.1
Furniture and related products.....	6,246	6,220	6,309	0.4	-1.4	-0.6	6,495	6,467	6,519	6,289	63,270	58,512	8.1
Nondurable goods industries.....	176,328	172,138	174,139	2.4	-1.1	-0.2	181,925	177,490	179,618	163,377	1,707,267	1,537,428	11.0

^p Preliminary ^r Revised NA Not available.¹ New orders are the totals for the period and are adjusted for trading-day and calendar-month variations.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. Further details on survey design, methodology, and data limitations are contained in our most recent annual benchmark publication, Current Industrial Reports: M3-1(02), "Manufacturers' Shipments, Inventories, and Orders: 1992-2002."

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

[Millions of Dollars]

Industry	Seasonally Adjusted						Not Seasonally Adjusted				
	Monthly			Percent Change			Monthly				Percent Change Oct. 04/03
	Oct. 2004 ^p	Sept. 2004 ^r	Aug. 2004	Sept. - Oct.	Aug. - Sept.	July - Aug.	Oct. 2004 ^p	Sept. 2004 ^r	Aug. 2004	Oct. 2003	
All manufacturing industries ¹	542,981	540,244	535,310	0.5	0.9	0.3	533,212	532,152	531,238	491,677	8.4
Excluding transportation ¹	285,319	281,896	275,778	1.2	2.2	0.6	280,698	277,588	273,998	247,897	13.2
Excluding defense ¹	376,891	378,078	375,422	-0.3	0.7	0.5	372,235	374,049	373,753	340,826	9.2
Durable goods industries ¹	542,981	540,244	535,310	0.5	0.9	0.3	533,212	532,152	531,238	491,677	8.4
Primary metals.....	19,542	20,007	20,143	-2.3	-0.7	2.1	18,622	19,831	20,347	14,895	25.0
Iron and steel mills.....	10,884	11,449	11,660	-4.9	-1.8	2.8	10,348	11,529	11,897	8,378	23.5
Aluminum and nonferrous metals.....	5,952	5,852	5,807	1.7	0.8	1.5	5,619	5,676	5,819	4,217	33.2
Ferrous metal foundries.....	2,706	2,706	2,676	0.0	1.1	0.6	2,655	2,626	2,631	2,300	15.4
Fabricated metal products.....	45,787	44,830	44,797	2.1	0.1	0.9	44,902	44,232	45,228	37,170	20.8
Machinery.....	50,116	49,302	48,475	1.7	1.7	1.0	49,232	48,362	47,907	41,182	19.5
Construction machinery.....	4,568	4,488	4,328	1.8	3.7	4.8	4,177	4,050	4,052	2,111	97.9
Mining, oil field, and gas field machinery.....	1,347	1,355	1,373	-0.6	-1.3	-2.3	1,347	1,355	1,373	1,004	34.2
Industrial machinery.....	9,498	9,298	8,700	2.2	6.9	2.3	9,413	8,966	8,613	7,546	24.7
Photographic equipment.....	921	886	875	4.0	1.3	-1.4	916	874	882	789	16.1
Ventilation, heating, air-conditioning, and refrigeration equipment.....	4,713	4,665	4,662	1.0	0.1	-0.7	4,532	4,554	4,703	4,433	2.2
Metalworking machinery.....	4,574	4,558	4,547	0.4	0.2	-0.3	4,523	4,419	4,467	3,821	18.4
Turbines, generators, and other power transmission equipment.....	9,891	9,927	9,972	-0.4	-0.5	2.8	9,767	9,922	9,988	8,050	21.3
Material handling equipment.....	5,017	4,971	4,883	0.9	1.8	-0.2	4,969	4,983	4,636	4,666	6.5
Computers and electronic products ¹	141,466	139,796	134,972	1.2	3.6	0.1	139,466	137,317	132,934	129,155	8.0
Computers.....	8,306	9,059	8,095	-8.3	11.9	-2.9	8,248	9,003	8,198	8,564	-3.7
Nondefense communications equipment.....	45,887	45,867	46,117	0.0	-0.5	-0.6	45,341	44,760	44,893	50,151	-9.6
Defense communications equipment.....	9,477	6,198	3,270	52.9	89.5	-4.1	9,477	6,198	3,270	3,202	196.0
Semiconductors ¹	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Electronic components.....	15,153	15,613	15,829	-2.9	-1.4	2.8	15,096	15,711	15,921	13,525	11.6
Nondefense search and navigation equipment.....	4,929	5,173	4,972	-4.7	4.0	3.9	4,905	5,106	4,933	4,685	4.7
Defense search and navigation equipment.....	38,571	38,495	38,175	0.2	0.8	0.0	37,410	37,652	37,300	34,445	8.6
Electromedical, measuring, and control instruments.....	19,143	19,391	18,514	-1.3	4.7	0.6	18,989	18,887	18,419	14,583	30.2
Electrical equipment, appliances, and components.....	15,173	15,289	15,033	-0.8	1.7	1.6	15,206	15,152	15,160	14,094	7.9
Electric lighting equipment.....	1,759	1,697	1,603	3.7	5.9	15.5	1,767	1,690	1,653	1,447	22.1
Household appliances.....	838	956	990	-12.3	-3.4	24.2	822	945	1,023	882	-6.8
Electrical equipment.....	8,961	8,911	8,788	0.6	1.4	-0.5	9,024	8,843	8,813	8,673	4.0
Transportation equipment.....	257,662	258,348	259,532	-0.3	-0.5	-0.1	252,514	254,564	257,240	243,780	3.6
Motor vehicle bodies, parts, and trailers.....	15,039	15,467	15,337	-2.8	0.8	1.7	14,331	14,974	15,021	12,407	15.5
Nondefense aircraft and parts.....	109,890	110,624	111,373	-0.7	-0.7	0.4	109,369	110,543	110,903	104,222	4.9
Defense aircraft and parts.....	55,022	55,262	56,282	-0.4	-1.8	-1.7	53,244	54,044	55,827	59,216	-10.1
Ships and boats.....	19,200	19,098	19,584	0.5	-2.5	-0.9	18,504	18,151	18,974	18,727	-1.2
Furniture and related products.....	6,145	6,139	6,088	0.1	0.8	-0.2	6,180	6,161	6,152	5,546	11.4

^p Preliminary^r Revised

NA Not available.

¹ Data on new orders are not available for the semiconductor industry. Estimates and percent changes for new orders exclude semiconductor industry data.

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

Table 4. Value of Manufacturers' Inventories for Industry Groups

[Millions of Dollars]

Industry	Seasonally Adjusted						Not Seasonally Adjusted				
	Monthly			Percent Change			Monthly				Percent Change Oct. 04/03
	Oct. 2004 ^P	Sept. 2004 ^r	Aug. 2004	Sept. - Oct.	Aug. - Sept.	July - Aug.	Oct. 2004 ^P	Sept. 2004 ^r	Aug. 2004	Oct. 2003	
All manufacturing industries.....	464,566	462,377	461,975	0.5	0.1	0.7	467,993	463,013	465,926	441,907	5.9
Excluding transportation.....	395,975	393,820	392,920	0.5	0.2	0.9	398,598	394,091	395,837	373,263	6.8
Excluding defense.....	440,328	438,219	438,073	0.5	0.0	0.8	443,567	438,750	441,686	418,245	6.1
With unfilled orders.....	218,555	216,623	216,060	0.9	0.3	0.8	219,763	215,943	218,319	206,365	6.5
Durable goods industries.....	279,712	278,013	277,119	0.6	0.3	0.8	280,684	277,040	279,879	263,266	6.6
Wood products.....	10,085	10,285	10,318	-1.9	-0.3	0.9	10,040	10,290	10,069	9,535	5.3
Nonmetallic mineral products.....	9,595	9,412	9,363	1.9	0.5	0.6	9,296	9,244	9,367	9,297	0.0
Primary metals.....	20,864	20,161	19,643	3.5	2.6	3.0	20,923	20,114	19,667	17,124	22.2
Iron and steel mills.....	11,983	11,398	10,881	5.1	4.8	5.6	12,070	11,410	10,930	9,188	31.4
Aluminum and nonferrous metals.....	6,975	6,896	6,918	1.1	-0.3	-0.6	6,993	6,895	6,922	6,319	10.7
Ferrous metal foundries.....	1,906	1,867	1,844	2.1	1.2	2.3	1,860	1,809	1,815	1,617	15.0
Fabricated metal products.....	34,661	34,339	34,005	0.9	1.0	1.6	34,569	34,238	34,184	30,820	12.2
Machinery.....	44,980	44,925	44,688	0.1	0.5	0.8	45,149	44,637	44,920	41,599	8.5
Farm machinery.....	2,431	2,426	2,399	0.2	1.1	-0.9	2,266	2,309	2,311	2,032	11.5
Construction machinery.....	4,160	4,138	4,116	0.5	0.5	-1.2	4,169	4,092	4,079	3,469	20.2
Mining, oil field, and gas field machinery.....	2,286	2,263	2,343	1.0	-3.4	0.4	2,286	2,265	2,394	2,247	1.7
Industrial machinery.....	6,958	7,092	7,108	-1.9	-0.2	2.9	6,889	7,029	7,166	6,479	6.3
Photographic equipment.....	1,395	1,431	1,417	-2.5	1.0	0.6	1,438	1,460	1,421	1,452	-1.0
Ventilation, heating, air-conditioning, and refrigeration equipment.....	4,505	4,485	4,473	0.4	0.3	2.3	4,533	4,417	4,526	4,176	8.5
Metalworking machinery.....	4,413	4,371	4,315	1.0	1.3	-0.8	4,513	4,412	4,439	4,464	1.1
Turbines, generators, and other power transmission equipment.....	4,858	4,813	4,762	0.9	1.1	1.0	5,093	4,855	4,864	4,402	15.7
Material handling equipment.....	2,613	2,529	2,445	3.3	3.4	1.1	2,615	2,520	2,458	2,297	13.8
Computers and electronic products.....	49,547	49,095	48,998	0.9	0.2	0.9	49,899	48,606	50,061	47,360	5.4
Computers.....	2,721	2,757	2,614	-1.3	5.5	3.7	2,613	2,963	2,752	2,382	9.7
Computer storage devices.....	1,318	1,291	1,238	2.1	4.3	1.0	1,370	1,198	1,322	1,243	10.2
Other peripheral equipment.....	2,401	2,391	2,431	0.4	-1.6	-1.1	2,536	2,352	2,563	2,503	1.3
Nondefense communications equipment.....	9,842	9,615	9,667	2.4	-0.5	1.4	9,903	9,541	9,884	9,683	2.3
Defense communications equipment.....	1,169	1,183	1,216	-1.2	-2.7	3.4	1,169	1,183	1,216	1,270	-8.0
Audio and video equipment.....	1,083	1,105	1,089	-2.0	1.5	2.9	1,274	1,237	1,168	1,124	13.3
Semiconductors ¹	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Electronic components.....	7,991	7,734	7,927	3.3	-2.4	-1.0	8,036	7,436	7,903	7,533	6.7
Nondefense search and navigation equipment.....	2,536	2,517	2,473	0.8	1.8	1.4	2,571	2,505	2,494	2,584	-0.5
Defense search and navigation equipment.....	2,918	2,899	2,847	0.7	1.8	-0.6	2,956	2,899	2,907	2,902	1.9
Electromedical, measuring and control instruments.....	10,471	10,306	10,261	1.6	0.4	0.1	10,483	10,107	10,483	10,233	2.4
Electrical equipment, appliances, and components.....	13,058	13,059	13,047	0.0	0.1	1.8	12,899	12,685	13,024	12,164	6.0
Electric lighting equipment.....	1,477	1,477	1,481	0.0	-0.3	1.7	1,472	1,457	1,512	1,410	4.4
Household appliances.....	2,372	2,376	2,399	-0.2	-1.0	4.0	2,331	2,260	2,350	2,020	15.4
Electrical equipment.....	4,489	4,498	4,485	-0.2	0.3	0.8	4,453	4,335	4,479	4,024	10.7
Batteries.....	652	648	623	0.6	4.0	3.5	654	655	655	597	9.5
Transportation equipment.....	68,591	68,557	69,055	0.0	-0.7	-0.3	69,395	68,922	70,089	68,644	1.1
Automobiles.....	2,210	2,254	2,246	-2.0	0.4	5.7	2,168	2,332	2,328	1,813	19.6
Light trucks and utility vehicles.....	2,517	2,610	2,493	-3.6	4.7	2.7	2,555	2,694	2,617	2,352	8.6
Heavy duty trucks.....	829	827	804	0.2	2.9	1.0	848	858	833	756	12.2
Motor vehicle bodies, parts, and trailers.....	16,355	16,256	16,123	0.6	0.8	0.0	16,324	16,226	16,114	15,233	7.2
Nondefense aircraft and parts.....	23,023	23,092	24,165	-0.3	-4.4	-1.1	23,641	23,221	24,661	25,525	-7.4
Defense aircraft and parts.....	11,815	11,729	11,514	0.7	1.9	-0.8	11,928	11,764	11,706	11,190	6.6
Ships and boats.....	3,227	3,254	3,136	-0.8	3.8	0.1	3,230	3,239	3,126	2,954	9.3
Furniture and related products.....	8,348	8,340	8,274	0.1	0.8	1.1	8,383	8,380	8,409	7,687	9.1
Miscellaneous durable goods.....	19,983	19,840	19,728	0.7	0.6	0.6	20,131	19,924	20,089	19,036	5.8
Nondurable goods industries.....	184,854	184,364	184,856	0.3	-0.3	0.5	187,309	185,973	186,047	178,641	4.9
Food products.....	33,143	33,757	33,914	-1.8	-0.5	-0.3	35,257	34,516	34,115	35,734	-1.3
Grain and oilseed milling.....	2,812	2,915	2,822	-3.5	3.3	-0.9	2,983	2,780	2,619	3,981	-25.1
Dairy products.....	3,925	3,968	3,985	-1.1	-0.4	-1.5	3,891	3,953	4,046	3,498	11.2
Meat, poultry, and seafood products.....	6,249	6,338	6,415	-1.4	-1.2	0.4	6,511	6,448	6,349	6,411	1.6
Beverage and tobacco products.....	14,998	15,143	15,147	-1.0	0.0	3.4	15,471	15,411	14,647	15,280	1.3
Beverages.....	10,405	10,453	10,479	-0.5	-0.2	4.4	10,741	10,691	10,173	10,370	3.6
Tobacco.....	4,593	4,690	4,668	-2.1	0.5	1.2	4,730	4,720	4,474	4,910	-3.7
Textile mills.....	4,762	4,810	4,828	-1.0	-0.4	0.0	4,684	4,754	4,858	4,940	-5.2
Textile products.....	5,262	5,230	5,199	0.6	0.6	0.2	5,217	5,266	5,224	4,989	4.6
Apparel.....	7,298	7,273	7,154	0.3	1.7	1.9	7,232	7,441	7,358	7,104	1.8
Leather and allied products.....	1,635	1,605	1,594	1.9	0.7	-0.7	1,634	1,628	1,632	1,676	-2.5
Paper products.....	14,857	14,676	14,744	1.2	-0.5	0.7	14,756	14,657	14,738	14,588	1.2
Pulp, paper, and paperboard mills.....	6,307	6,303	6,254	0.1	0.8	-0.7	6,220	6,259	6,232	6,551	-5.1
Paperboard containers.....	4,504	4,304	4,440	4.6	-3.1	2.3	4,494	4,340	4,446	4,049	11.0
Printing.....	6,798	6,686	6,537	1.7	2.3	1.2	7,104	7,007	6,974	6,390	11.2
Petroleum and coal products.....	18,161	17,311	17,461	4.9	-0.9	-1.7	18,484	17,836	17,846	15,751	17.4
Petroleum refineries.....	16,390	15,585	15,773	5.2	-1.2	-2.1	16,746	16,117	16,091	14,299	17.1
Basic chemicals.....	55,249	55,498	56,279	-0.4	-1.4	0.3	54,982	55,271	56,856	52,349	5.0
Pesticides, fertilizers, and other agricultural chemicals.....	2,369	2,359	2,382	0.4	-1.0	-0.6	2,208	2,104	2,057	2,106	4.8
Pharmaceuticals and medicines.....	22,033	22,566	23,414	-2.4	-3.6	-0.5	22,097	22,676	24,059	21,310	3.7
Paints, coatings, and adhesives.....	2,828	2,844	2,838	-0.6	0.2	0.3	2,798	2,807	2,826	2,673	4.7
Plastics and rubber products.....	22,691	22,375	21,999	1.4	1.7	2.0	22,488	22,186	21,799	19,840	13.3

^P Preliminary^r Revised

NA Not available.

¹ Inventories for semiconductor industry data are included in computers and electronic products and total durable goods industries, 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

[Millions of Dollars]

Industry	Seasonally Adjusted						Not Seasonally Adjusted ²						Percent Change ⁶ 2004/ 2003
	Monthly			Percent Change			Monthly				Year to date		
	Oct. 2004 ^p	Sept. 2004 ^r	Aug. 2004	Sept. - Oct.	Aug. - Sept.	July - Aug.	Oct. 2004 ^p	Sept. 2004 ^r	Aug. 2004	Oct. 2003	2004 ^p	2003	
SHIPMENTS													
All manufacturing industries	375,932	371,479	375,537	1.2	-1.1	0.9	385,760	393,323	382,018	356,009	3,674,856	3,319,734	10.7
Construction materials and supplies.....	39,263	39,854	40,185	-1.5	-0.8	1.8	41,247	42,687	43,413	39,142	395,502	354,811	11.5
Information technology.....	31,848	30,897	31,562	3.1	-2.1	2.2	30,966	36,123	29,437	28,715	301,343	271,750	10.9
Computers and related products	9,556	8,814	8,574	8.4	2.8	-0.8	9,904	10,963	7,784	8,612	84,801	74,878	13.3
Motor vehicle and parts.....	37,447	38,282	38,617	-2.2	-0.9	5.3	40,753	40,956	39,974	43,550	388,871	373,302	4.2
Capital goods.....	73,899	72,403	72,997	2.1	-0.8	1.7	72,276	79,908	69,975	65,637	706,492	633,996	11.4
Nondefense capital goods ³	65,606	64,357	64,571	1.9	-0.3	1.8	64,143	71,230	61,826	57,776	624,204	558,809	11.7
Excluding aircraft.....	62,989	61,753	61,960	2.0	-0.3	0.9	61,979	68,462	59,497	55,836	600,562	534,498	12.4
Defense capital goods ⁴	8,293	8,046	8,426	3.1	-4.5	1.3	8,133	8,678	8,149	7,861	82,288	75,187	9.4
Consumer goods.....	143,242	140,215	142,250	2.2	-1.4	0.9	149,641	146,302	146,980	137,801	1,397,757	1,269,970	10.1
Consumer durable goods.....	34,249	34,875	34,956	-1.8	-0.2	5.5	36,558	37,476	35,805	38,209	350,454	333,508	5.1
Consumer nondurable goods.....	108,993	105,340	107,294	3.5	-1.8	-0.6	113,083	108,826	111,175	99,592	1,047,303	936,462	11.8
NEW ORDERS													
All manufacturing industries ⁵	371,507	369,578	369,574	0.5	0.0	-0.3	379,469	386,534	371,988	356,785	3,635,549	3,272,838	11.1
Construction materials and supplies.....	40,037	39,620	40,410	1.1	-2.0	3.4	41,757	41,435	43,650	39,184	400,531	355,327	12.7
Information technology.....	33,903	36,021	31,077	-5.9	15.9	3.1	33,691	40,711	26,665	32,705	311,050	284,007	9.5
Computers and related products	8,803	9,778	8,331	-10.0	17.4	0.8	9,149	11,768	7,657	8,340	84,244	75,318	11.9
Motor vehicle and parts.....	37,019	38,412	38,878	-3.6	-1.2	5.9	40,110	40,909	39,985	43,912	389,582	373,576	4.3
Capital goods.....	77,109	77,770	73,402	-0.8	6.0	-5.9	75,367	83,228	66,489	70,139	726,988	646,385	12.5
Nondefense capital goods ³	64,442	67,076	65,015	-3.9	3.2	-7.0	63,716	73,348	60,158	61,593	638,860	565,189	13.0
Excluding aircraft.....	62,305	65,069	61,730	-4.2	5.4	0.7	62,472	70,788	56,840	59,798	610,299	546,276	11.7
Defense capital goods ⁴	12,667	10,694	8,387	18.4	27.5	3.1	11,651	9,880	6,331	8,546	88,128	81,196	8.5
Consumer goods.....	143,558	140,494	142,471	2.2	-1.4	1.0	149,888	146,493	147,063	138,480	1,398,642	1,270,413	10.1
Consumer durable goods.....	34,565	35,154	35,177	-1.7	-0.1	6.3	36,805	37,667	35,888	38,888	351,339	333,951	5.2
Consumer nondurable goods.....	108,993	105,340	107,294	3.5	-1.8	-0.6	113,083	108,826	111,175	99,592	1,047,303	936,462	11.8
UNFILLED ORDERS													
All manufacturing industries ⁵	542,981	540,244	535,310	0.5	0.9	0.3	533,212	532,152	531,238	491,677	(X)	(X)	8.4
Construction materials and supplies.....	37,675	36,901	37,135	2.1	-0.6	0.6	36,898	36,388	37,640	31,649	(X)	(X)	16.6
Information technology.....	130,849	128,794	123,670	1.6	4.1	-0.4	128,879	126,154	121,566	119,511	(X)	(X)	7.8
Computers and related products	8,306	9,059	8,095	-8.3	11.9	-2.9	8,248	9,003	8,198	8,564	(X)	(X)	-3.7
Motor vehicle and parts.....	15,039	15,467	15,337	-2.8	0.8	1.7	14,331	14,974	15,021	12,407	(X)	(X)	15.5
Capital goods.....	384,871	381,661	376,294	0.8	1.4	0.1	378,293	375,202	371,882	351,100	(X)	(X)	7.7
Nondefense capital goods ³	236,244	237,408	234,689	-0.5	1.2	0.2	234,203	234,630	232,512	219,782	(X)	(X)	6.6
Excluding aircraft.....	150,541	151,225	147,909	-0.5	2.2	-0.2	149,021	148,528	146,202	140,049	(X)	(X)	6.4
Defense capital goods ⁴	148,627	144,253	141,605	3.0	1.9	0.0	144,090	140,572	139,370	131,318	(X)	(X)	9.7
Consumer goods.....	13,635	13,319	13,040	2.4	2.1	1.7	13,496	13,249	13,058	12,310	(X)	(X)	9.6
Consumer durable goods.....	13,635	13,319	13,040	2.4	2.1	1.7	13,496	13,249	13,058	12,310	(X)	(X)	9.6
TOTAL INVENTORIES													
All manufacturing industries	464,566	462,377	461,975	0.5	0.1	0.7	467,993	463,013	465,926	441,907	(X)	(X)	5.9
Construction materials and supplies.....	50,649	50,441	50,147	0.4	0.6	1.2	50,194	50,087	50,146	45,897	(X)	(X)	9.4
Information technology.....	40,369	40,019	39,783	0.9	0.6	0.9	40,759	39,901	40,717	39,983	(X)	(X)	1.9
Computers and related products	6,440	6,439	6,283	0.0	2.5	1.3	6,519	6,513	6,637	6,128	(X)	(X)	6.4
Motor vehicle and parts.....	21,911	21,947	21,666	-0.2	1.3	0.9	21,895	22,110	21,892	20,154	(X)	(X)	8.6
Capital goods.....	129,072	128,690	128,857	0.3	-0.1	0.3	130,074	128,288	130,778	125,624	(X)	(X)	3.5
Nondefense capital goods ³	109,550	109,235	109,575	0.3	-0.3	0.5	110,501	108,832	111,274	106,596	(X)	(X)	3.7
Excluding aircraft.....	93,007	92,513	91,960	0.5	0.6	0.7	93,440	91,949	93,292	88,397	(X)	(X)	5.7
Defense capital goods ⁴	19,522	19,455	19,282	0.3	0.9	-0.5	19,573	19,456	19,504	19,028	(X)	(X)	2.9
Consumer goods.....	141,677	142,105	142,721	-0.3	-0.4	0.5	144,692	144,128	144,116	139,011	(X)	(X)	4.1
Consumer durable goods.....	29,773	29,797	29,461	-0.1	1.1	1.9	29,956	29,962	29,912	27,308	(X)	(X)	9.7
Consumer nondurable goods.....	111,904	112,308	113,260	-0.4	-0.8	0.1	114,736	114,166	114,204	111,703	(X)	(X)	2.7

^p Preliminary ^r Revised X Not Applicable.

¹ Topical series are regroupings of the separate industry categories.

² Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

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; 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 Group

[Millions of Dollars]

Industry	Seasonally Adjusted						Not Seasonally Adjusted				
	Monthly			Percent Change			Monthly				Percent Change Oct. 04/03
	Oct. 2004 ^p	Sept. 2004 ^r	Aug. 2004	Sept. - Oct.	Aug. - Sept.	July - Aug.	Oct. 2004 ^p	Sept. 2004 ^r	Aug. 2004	Oct. 2003	
<u>MATERIALS AND SUPPLIES</u>											
All manufacturing industries	153,314	151,950	151,410	0.9	0.4	0.5	154,022	151,911	151,651	143,745	7.1
Durable goods industries	92,480	91,382	90,650	1.2	0.8	0.8	92,978	91,344	91,218	84,425	10.1
Wood products.....	3,866	3,903	3,953	-0.9	-1.3	1.0	4,121	4,039	3,879	3,912	5.3
Nonmetallic mineral products.....	3,361	3,359	3,359	0.1	0.0	-0.5	3,371	3,376	3,384	3,405	-1.0
Primary metals.....	8,036	7,846	7,590	2.4	3.4	3.3	8,218	7,906	7,657	5,788	42.0
Fabricated metal products.....	13,352	13,115	12,825	1.8	2.3	3.1	13,274	13,185	12,933	10,915	21.6
Machinery.....	13,544	13,378	13,154	1.2	1.7	1.1	13,660	13,307	13,257	12,587	8.5
Computers and electronic products	17,224	16,826	17,018	2.4	-1.1	-1.0	17,201	16,649	17,135	16,603	3.6
Electrical equipment, appliances, and components.....	4,897	4,820	4,781	1.6	0.8	2.3	4,860	4,706	4,751	4,598	5.7
Transportation equipment.....	17,893	17,805	17,835	0.5	-0.2	-0.3	17,949	17,834	17,944	17,114	4.9
Furniture and related products.....	3,596	3,644	3,555	-1.3	2.5	-0.9	3,583	3,645	3,574	3,207	11.7
Miscellaneous products.....	6,711	6,686	6,580	0.4	1.6	0.5	6,741	6,697	6,704	6,296	7.1
Nondurable goods industries.....	60,834	60,568	60,760	0.4	-0.3	0.1	61,044	60,567	60,433	59,320	2.9
Food products.....	9,653	9,654	9,503	0.0	1.6	-1.3	9,844	9,461	9,227	10,795	-8.8
Beverage and tobacco products.....	5,344	5,407	5,346	-1.2	1.1	3.3	5,228	5,333	5,143	5,399	-3.2
Textiles.....	1,291	1,338	1,354	-3.5	-1.2	0.0	1,271	1,333	1,352	1,357	-6.3
Textile products.....	1,909	1,886	1,873	1.2	0.7	-0.1	1,893	1,912	1,906	1,704	11.1
Apparel.....	1,640	1,664	1,646	-1.4	1.1	1.4	1,630	1,655	1,633	1,642	-0.7
Leather and allied products.....	461	450	451	2.4	-0.2	0.0	460	454	465	438	5.0
Paper products.....	6,475	6,487	6,509	-0.2	-0.3	-2.9	6,507	6,544	6,484	6,814	-4.5
Printing.....	2,928	2,918	2,881	0.3	1.3	0.1	3,035	3,046	2,952	2,774	9.4
Petroleum and coal products.....	5,645	5,500	5,544	2.6	-0.8	-3.9	5,683	5,541	5,555	4,672	21.6
Basic chemicals.....	17,615	17,413	17,819	1.2	-2.3	1.4	17,610	17,422	17,873	16,477	6.9
Plastics and rubber products.....	7,873	7,851	7,834	0.3	0.2	2.1	7,883	7,866	7,843	7,248	8.8
<u>WORK IN PROCESS</u>											
All manufacturing industries	131,122	130,791	132,238	0.3	-1.1	-0.1	133,348	131,332	133,737	130,244	2.4
Durable goods industries	100,450	99,816	100,591	0.6	-0.8	0.0	101,453	99,918	102,049	97,338	4.2
Wood products.....	1,949	2,006	1,938	-2.8	3.5	-2.6	1,946	2,014	1,934	1,910	1.9
Nonmetallic mineral products.....	1,169	1,173	1,180	-0.3	-0.6	1.4	1,107	1,136	1,177	1,131	-2.1
Primary metals.....	6,872	6,627	6,458	3.7	2.6	3.7	6,887	6,609	6,465	5,808	18.6
Fabricated metal products.....	9,839	9,752	9,711	0.9	0.4	-0.5	9,905	9,766	9,854	9,441	4.9
Machinery.....	15,647	15,663	15,678	-0.1	-0.1	0.1	15,892	15,745	16,045	14,807	7.3
Computers and electronic products	19,894	19,617	19,835	1.4	-1.1	1.4	20,012	19,512	20,291	18,146	10.3
Electrical equipment, appliances, and components.....	2,930	3,009	3,041	-2.6	-1.1	1.6	2,873	2,940	3,062	2,845	1.0
Transportation equipment.....	37,345	37,233	37,931	0.3	-1.8	-1.4	37,996	37,416	38,312	38,842	-2.2
Furniture and related products.....	1,561	1,568	1,656	-0.4	-5.3	3.7	1,555	1,569	1,665	1,510	3.0
Miscellaneous products.....	3,244	3,168	3,163	2.4	0.2	-1.4	3,280	3,211	3,244	2,898	13.2
Nondurable goods industries.....	30,672	30,975	31,647	-1.0	-2.1	-0.1	31,895	31,414	31,688	32,906	-3.1
Food products.....	2,798	3,284	3,377	-14.8	-2.8	3.1	3,342	3,185	3,147	3,607	-7.3
Beverage and tobacco products.....	4,899	4,960	4,994	-1.2	-0.7	4.0	5,348	5,225	4,616	5,129	4.3
Textiles.....	1,263	1,262	1,267	0.1	-0.4	0.8	1,252	1,261	1,262	1,278	-2.0
Textile products.....	679	666	682	2.0	-2.3	-1.0	678	669	686	702	-3.4
Apparel.....	1,141	1,167	1,176	-2.2	-0.8	3.4	1,100	1,142	1,168	1,181	-6.9
Leather and allied products.....	166	166	170	0.0	-2.4	5.6	168	163	168	179	-6.1
Paper products.....	1,298	1,267	1,277	2.4	-0.8	2.1	1,266	1,272	1,310	1,152	9.9
Printing.....	1,934	1,852	1,789	4.4	3.5	1.5	2,099	1,954	2,013	1,864	12.6
Petroleum and coal products.....	3,871	3,473	3,476	11.5	-0.1	-9.9	4,035	3,566	3,564	4,653	-13.3
Basic chemicals.....	10,047	10,268	10,823	-2.2	-5.1	-0.6	10,005	10,356	11,166	10,690	-6.4
Plastics and rubber products.....	2,576	2,610	2,616	-1.3	-0.2	0.7	2,602	2,621	2,588	2,471	5.3
<u>FINISHED GOODS</u>											
All manufacturing industries	180,130	179,636	178,327	0.3	0.7	1.5	180,623	179,770	180,538	167,918	7.6
Durable goods industries	86,782	86,815	85,878	0.0	1.1	2.0	86,253	85,778	86,612	81,503	5.8
Wood products.....	4,270	4,376	4,427	-2.4	-1.2	2.3	3,973	4,237	4,256	3,713	7.0
Nonmetallic mineral products.....	5,065	4,880	4,824	3.8	1.2	1.3	4,818	4,732	4,806	4,761	1.2
Primary metals.....	5,956	5,688	5,595	4.7	1.7	1.8	5,818	5,599	5,545	5,528	5.2
Fabricated metal products.....	11,470	11,472	11,469	0.0	0.0	1.8	11,390	11,287	11,397	10,464	8.8
Machinery.....	15,789	15,884	15,856	-0.6	0.2	1.4	15,597	15,585	15,618	14,205	9.8
Computers and electronic products	12,429	12,652	12,145	-1.8	4.2	2.6	12,686	12,445	12,635	12,611	0.6
Electrical equipment, appliances, and components.....	5,231	5,230	5,225	0.0	0.1	1.4	5,166	5,039	5,211	4,721	9.4
Transportation equipment.....	13,353	13,519	13,289	-1.2	1.7	3.2	13,450	13,672	13,833	12,688	6.0
Furniture and related products.....	3,191	3,128	3,063	2.0	2.1	2.0	3,245	3,162	3,170	2,970	9.3
Miscellaneous products.....	10,028	9,986	9,985	0.4	0.0	1.3	10,110	10,016	10,141	9,842	2.7
Nondurable goods industries.....	93,348	92,821	92,449	0.6	0.4	1.1	94,370	93,992	93,926	86,415	9.2
Food products.....	20,692	20,819	21,034	-0.6	-1.0	-0.3	22,071	21,870	21,741	21,332	3.5
Beverage and tobacco products.....	4,755	4,776	4,807	-0.4	-0.6	2.9	4,895	4,853	4,888	4,752	3.0
Textiles.....	2,208	2,210	2,207	-0.1	0.1	-0.4	2,161	2,160	2,244	2,305	-6.2
Textile products.....	2,674	2,678	2,644	-0.1	1.3	0.7	2,646	2,685	2,632	2,583	2.4
Apparel.....	4,517	4,442	4,332	1.7	2.5	1.8	4,502	4,644	4,557	4,281	5.2
Leather and allied products.....	1,008	989	973	1.9	1.6	-2.1	1,006	1,011	999	1,059	-5.0
Paper products.....	7,084	6,922	6,958	2.3	-0.5	4.0	6,983	6,841	6,944	6,622	5.5
Printing.....	1,936	1,916	1,867	1.0	2.6	2.4	1,970	2,007	2,009	1,752	12.4
Petroleum and coal products.....	8,645	8,338	8,441	3.7	-1.2	3.7	8,766	8,729	8,727	6,426	36.4
Basic chemicals.....	27,587	27,817	27,637	-0.8	0.7	-0.1	27,367	27,493	27,817	25,182	8.7
Plastics and rubber products.....	12,242	11,914	11,549	2.8	3.2	2.3	12,003	11,699	11,368	10,121	18.6

^p Preliminary^r Revised

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

Table 7. Ratios of Manufacturers' Inventories to Shipments and Unfilled Orders to Shipments, by Industry Group

[Based on Seasonally Adjusted data]

Industry	Inventory/Shipments ratio				Unfilled Orders/Shipments ratio ¹			
	Oct 2004 ^p	Sep 2004 ^r	Aug 2004	Jul 2004	Oct 2004 ^p	Sep 2004 ^r	Aug 2004	Jul 2004
All manufacturing industries ²	1.24	1.24	1.23	1.23	(X)	(X)	(X)	(X)
Durable goods industries ²	1.40	1.39	1.38	1.39	3.97	3.96	3.90	3.92
Wood products.....	1.12	1.09	1.06	1.12	(X)	(X)	(X)	(X)
Nonmetallic mineral products.....	1.27	1.26	1.24	1.23	(X)	(X)	(X)	(X)
Primary metals.....	1.44	1.38	1.35	1.34	1.35	1.37	1.39	1.39
Fabricated metal products.....	1.51	1.48	1.47	1.44	2.07	2.01	2.01	1.99
Machinery.....	1.74	1.77	1.80	1.76	2.17	2.16	2.17	2.13
Computers and electronic products ² ..	1.24	1.26	1.23	1.23	4.99	5.03	4.83	4.92
Electrical equipment, appliances, and components.....	1.46	1.46	1.42	1.42	1.80	1.82	1.73	1.73
Transportation equipment.....	1.29	1.27	1.26	1.33	7.66	7.66	7.49	7.59
Furniture and related products.....	1.34	1.35	1.31	1.26	1.12	1.13	1.09	1.06
Miscellaneous products.....	1.75	1.72	1.74	1.72	(X)	(X)	(X)	(X)
Nondurable goods industries.....	1.05	1.07	1.06	1.05	(X)	(X)	(X)	(X)
Food products.....	0.80	0.83	0.83	0.81	(X)	(X)	(X)	(X)
Beverage and tobacco products.....	1.64	1.64	1.63	1.62	(X)	(X)	(X)	(X)
Textiles.....	1.38	1.38	1.38	1.38	(X)	(X)	(X)	(X)
Textile products.....	1.66	1.67	1.65	1.65	(X)	(X)	(X)	(X)
Apparel.....	1.54	1.54	1.54	1.47	(X)	(X)	(X)	(X)
Leather and allied products.....	1.97	1.84	1.76	1.79	(X)	(X)	(X)	(X)
Paper products.....	1.03	1.02	1.00	1.00	(X)	(X)	(X)	(X)
Printing.....	0.86	0.84	0.84	0.81	(X)	(X)	(X)	(X)
Petroleum and coal products.....	0.58	0.60	0.60	0.62	(X)	(X)	(X)	(X)
Basic chemicals.....	1.28	1.33	1.32	1.31	(X)	(X)	(X)	(X)
Plastics and rubber products.....	1.34	1.31	1.28	1.27	(X)	(X)	(X)	(X)

^p Preliminary

^r Revised

X Not Applicable

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 Changes

[Based on Seasonally Adjusted data]

Industry	Shipments		New Orders		Unfilled Orders		Inventories	
	Oct ¹ 2004	Oct ² 2003-Sep 2004	Oct ¹ 2004	Oct ² 2003-Sep 2004	Oct ¹ 2004	Oct ² 2003-Sep 2004	Oct ¹ 2004	Oct ² 2003-Sep 2004
All manufacturing industries.....	(X)	0.3	(X)	0.5	(X)	0.1	(X)	0.2
Durable goods industries.....	-0.5	0.3	-0.7	0.6	-0.1	0.1	0.1	0.1
Wood products.....	(X)	0.8	(X)	(NA)	(X)	(NA)	(X)	0.5
Nonmetallic mineral products.....	(X)	1.0	(X)	(NA)	(X)	(NA)	(X)	0.6
Primary metals.....	-0.7	0.7	-1.0	1.6	-0.2	0.9	0.5	0.2
Fabricated metal products.....	-0.2	0.4	-0.1	1.4	0.0	0.6	0.2	0.4
Machinery.....	-2.8	0.8	-2.0	1.4	0.5	0.4	0.0	0.2
Computers and electronic products.....	0.0	0.8	-0.8	1.6	-0.3	0.3	0.0	0.3
Electrical equipment, appliances, and components.....	-0.1	0.4	-0.2	0.8	0.0	0.4	0.0	0.4
Transportation equipment.....	-0.1	0.3	-0.5	0.6	-0.1	0.1	0.0	0.1
Furniture and related products.....	(X)	0.7	(X)	0.8	(X)	0.8	(X)	0.3
Miscellaneous products.....	(X)	0.6	(X)	1.0	(X)	1.0	(X)	0.4
Nondurable goods industries.....	(X)	0.4	(X)	(NA)	(X)	(NA)	(X)	0.2
Food products.....	(X)	0.7	(X)	(NA)	(X)	(NA)	(X)	0.3
Beverage and tobacco products.....	(X)	0.7	(X)	(NA)	(X)	(NA)	(X)	0.5
Textiles.....	(X)	0.5	(X)	(NA)	(X)	(NA)	(X)	0.3
Textile products.....	(X)	0.5	(X)	(NA)	(X)	(NA)	(X)	0.3
Apparel.....	(X)	0.5	(X)	(NA)	(X)	(NA)	(X)	0.5
Leather and allied products.....	(X)	2.2	(X)	(NA)	(X)	(NA)	(X)	1.4
Paper products.....	(X)	0.7	(X)	(NA)	(X)	(NA)	(X)	0.2
Printing.....	(X)	0.6	(X)	(NA)	(X)	(NA)	(X)	0.5
Petroleum and coal products.....	(X)	1.5	(X)	(NA)	(X)	(NA)	(X)	0.9
Basic chemicals.....	(X)	0.5	(X)	(NA)	(X)	(NA)	(X)	0.3
Plastics and rubber products.....	(X)	0.4	(X)	(NA)	(X)	(NA)	(X)	0.4

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.

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 total 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 4,000 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 59 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 4,000 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 4,000 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.

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

2005 Release Dates for M3 Survey

Survey Month	Advance 8:30 A.M.	Preliminary 10:00 A.M.
Dec 2004	January 27, 2005	February 3, 2005
Jan 2005	February 24, 2005	March 4, 2005
Feb 2005	March 24, 2005	March 31, 2005
Mar 2005	April 27, 2005	May 3, 2005
Apr 2005	May 25, 2005	June 2, 2005
May 2005	June 24, 2005	July 5, 2005
Jun 2005	July 27, 2005	August 2, 2005
Jul 2005	August 24, 2005	August 30, 2005
Aug 2005	September 28, 2005	October 4, 2005
Sep 2005	October 27, 2005	November 3, 2005
Oct 2005	November 29, 2005	December 6, 2005
Nov 2005	December 23, 2005	