

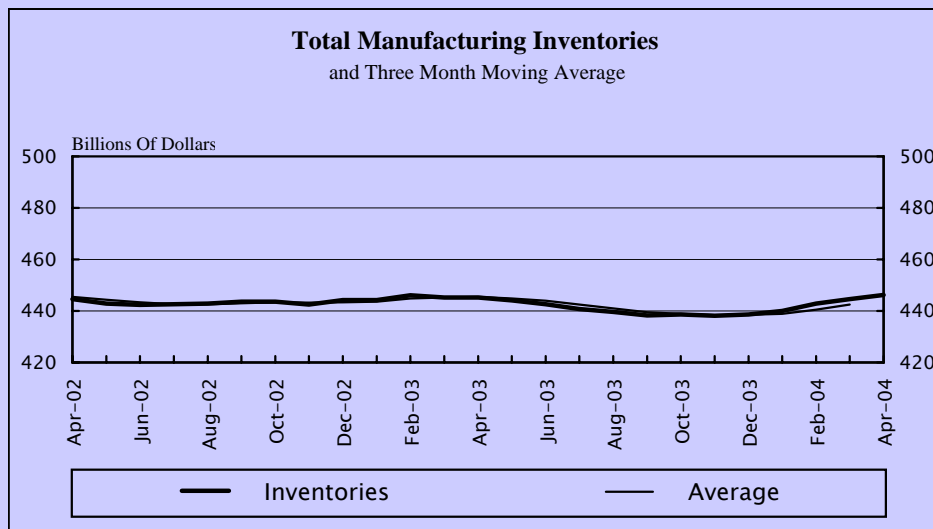
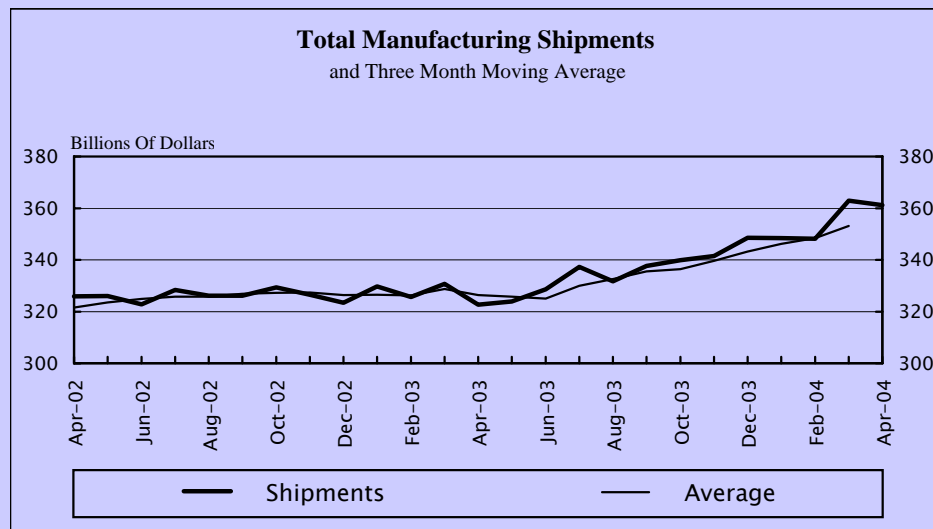
# Manufacturers' Shipments, Inventories, and Orders: April 2004

Issued June 2004

M3-1(04)-04

For Wire Transmission 10:00 a.m. E.D.T., June 3, 2004

## Current Industrial Reports



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 May is scheduled for June 24, 2004 at 8:30 a.m. and the full report on July 2, 2004 at 10:00 a.m.

For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington DC, 20402

Our Internet address is : <http://www.census.gov/m3>



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 April decreased \$6.3 billion or 1.7 percent to \$356.9 billion, the Department of Commerce, Census Bureau reported today. This followed a 5.0 percent March increase.

Shipments, down three of the last four months, decreased \$1.7 billion or 0.5 percent to \$361.2 billion. This followed a 4.2 percent March increase.

Unfilled orders, up eight of the last nine months, increased \$2.7 billion or 0.5 percent to \$520.3 billion. This followed a 1.4 percent March increase. The unfilled orders-to-shipments ratio was 3.95, up from 3.90 in March.

Inventories, up five consecutive months, increased \$1.6 billion or 0.4 percent to \$446.2 billion. This followed a 0.4 percent March increase. The inventories-to-shipments ratio was 1.24, up from 1.22 in March.

## New Orders

New orders for manufactured durable goods in April decreased \$6.4 billion or 3.2 percent to \$191.0 billion, revised from the previously published \$5.7 billion decrease.

Transportation equipment, down following two consecutive increases, had the largest decrease, \$2.7 billion or 4.8 percent to \$54.5 billion. Computers and electronic products, down following four consecutive increases, decreased \$1.4 billion or 4.2 percent to \$31.7 billion, due to electromedical, measuring, and control instruments.

New orders for manufactured nondurable goods, increased \$0.1 billion to \$165.9 billion.

## Shipments

Shipments of manufactured durable goods in April, down following two consecutive increases, decreased \$1.8 billion or 0.9 percent to \$195.3 billion, revised from the previously published \$1.7 billion decrease.

Transportation equipment had the largest decrease, \$2.2 billion or 3.9 percent to \$54.0 billion.

Shipments of manufactured nondurable goods, up seven of the last eight months, increased \$0.1 billion to \$165.9 billion. Food products had the largest increase, \$0.9 billion or 2.3 percent to \$39.9 billion and was at the highest level since the series began in 1992.

## Unfilled Orders

Unfilled orders of manufactured durable goods in April, up eight of the last nine months, increased \$2.7 billion or 0.5 percent to \$520.3 billion, revised from the previously published \$3.0 billion increase.

Fabricated metal products, up nine consecutive months, had the largest increase, \$1.3 billion or 3.0 percent to \$44.2 billion.

## Inventories

Inventories of manufactured durable goods in April, up five consecutive months, increased \$1.2 billion or 0.5 percent to \$266.8 billion, revised from the previously published \$1.3 billion increase.

Computers and electronic products, up four of the last seven months, had the largest increase, \$0.4 billion or 0.8 percent to \$47.6 billion.

Inventories of manufactured nondurable goods, up four consecutive months, increased \$0.4 billion or 0.2 percent to \$179.4 billion. Basic chemicals, up four consecutive months, had the largest increase, \$0.3 billion or 0.6 percent to \$55.3 billion. Basic chemicals was at the highest level since the series began.

By stage of fabrication, April materials and supplies increased 1.5 percent in durable goods and 0.2 percent in nondurable goods. Work in process increased 0.3 percent in durable goods and 0.7 percent in nondurable goods. Finished goods decreased 0.4 percent in durable goods and increased 0.1 percent in nondurable goods.

**SEE BACK PAGE FOR SURVEY DESCRIPTION**

**Our internet address is: <http://www.census.gov/m3>**

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 May is scheduled for June 24, 2004 at 8:30 A.M. EDT and the full report on July 2, 2004 at 10:00 A.M. EDT. For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402.

**Table 1. Value of Manufacturers' Shipments for Industry Groups****[Millions of Dollars]**

Industry	Seasonally Adjusted						Not Seasonally Adjusted <sup>1</sup>						
	Monthly			Percent Change			Monthly				Year to date		
	Apr. 2004 <sup>P</sup>	Mar. 2004 <sup>r</sup>	Feb. 2004	Mar. - Apr.	Feb. - Mar.	Jan. - Feb.	Apr. 2004 <sup>P</sup>	Mar. 2004 <sup>r</sup>	Feb. 2004	Apr. 2003	2004 <sup>P</sup>	2003	Percent 2004/2003
All manufacturing industries .....	361,200	362,925	348,157	-0.5	4.2	-0.1	359,559	390,300	339,222	319,294	1,407,515	1,281,058	9.9
Excluding transportation .....	307,247	306,761	292,726	0.2	4.8	-1.4	305,307	325,886	282,947	270,042	1,186,076	1,076,735	10.2
Excluding defense .....	351,792	353,069	337,313	-0.4	4.7	-0.5	350,571	379,535	328,638	311,011	1,369,412	1,248,025	9.7
With unfilled orders .....	131,738	132,873	127,525	-0.9	4.2	0.4	130,262	146,469	124,287	115,746	514,019	466,767	10.1
Durable goods industries .....	195,332	197,139	188,798	-0.9	4.4	1.4	193,329	218,053	184,081	170,450	761,633	686,995	10.9
Wood products.....	9,505	9,112	8,431	4.3	8.1	3.0	9,700	9,126	7,743	7,441	33,551	27,304	22.9
Nonmetallic mineral products.....	7,783	7,804	7,055	-0.3	10.6	-1.1	7,925	7,667	6,409	7,245	28,359	27,174	4.4
Primary metals.....	13,057	13,314	12,051	-1.9	10.5	2.0	13,668	14,270	12,276	11,215	51,762	44,807	15.5
Iron and steel mills.....	5,960	5,882	5,264	1.3	11.7	0.3	6,242	6,366	5,406	5,246	23,124	20,735	11.5
Aluminum and nonferrous metals.....	5,586	5,866	5,422	-4.8	8.2	3.7	5,843	6,209	5,475	4,650	22,709	18,878	20.3
Ferrous metal foundries.....	1,511	1,566	1,365	-3.5	14.7	2.2	1,583	1,695	1,395	1,319	5,929	5,194	14.2
Fabricated metal products.....	22,651	22,771	20,553	-0.5	10.8	-1.8	22,618	23,793	20,299	20,168	85,936	80,149	7.2
Machinery.....	23,944	23,917	22,530	0.1	6.2	-0.5	25,221	27,286	21,326	21,404	93,705	82,627	13.4
Farm machinery.....	1,737	1,645	1,530	5.6	7.5	1.5	2,187	2,119	1,664	1,707	7,331	6,305	16.3
Construction machinery.....	2,227	2,159	2,121	3.1	1.8	0.0	2,525	2,659	2,116	1,905	9,133	6,740	35.5
Mining, oil field, and gas field machinery.....	807	801	740	0.7	8.2	-4.9	782	889	739	687	3,150	2,741	14.9
Industrial machinery.....	3,275	3,485	3,022	-6.0	15.3	3.6	3,385	4,019	2,703	2,759	12,758	11,168	14.2
Photographic equipment.....	956	917	889	4.3	3.1	-1.1	879	963	784	720	3,362	2,880	16.7
Ventilation, heating, air-conditioning, and refrigeration equipment.....	2,768	2,770	2,622	-0.1	5.6	1.6	2,718	3,038	2,292	2,362	10,210	9,273	10.1
Metalworking machinery.....	1,948	2,034	1,927	-4.2	5.6	-8.5	1,807	2,174	1,658	1,635	7,312	6,668	9.7
Turbines, generators, and other power transmission equipment.....	3,099	3,073	2,929	0.8	4.9	-2.4	3,149	3,377	2,879	2,716	12,047	10,547	14.2
Material handling equipment.....	1,469	1,521	1,387	-3.4	9.7	-1.2	1,505	1,766	1,344	1,309	5,989	5,341	12.1
Computers and electronic products .....	38,286	37,836	37,192	1.2	1.7	-1.9	34,655	43,078	34,872	29,941	145,033	125,064	16.0
Computers.....	5,924	5,207	5,291	13.8	-1.6	-7.0	5,472	5,620	4,441	4,389	20,968	16,811	24.7
Computer storage devices.....	1,253	1,501	1,294	-16.5	16.0	10.2	850	2,339	902	862	4,892	4,161	17.6
Other peripheral equipment.....	1,583	1,558	1,582	1.6	-1.5	3.2	1,288	1,922	1,337	1,180	5,655	5,252	7.7
Nondefense communications equipment.....	6,523	6,241	6,199	4.5	0.7	-4.6	5,843	7,349	5,648	4,694	24,039	20,904	15.0
Defense communications equipment.....	490	480	498	2.1	-3.6	-15.2	481	521	479	418	2,014	1,558	29.3
Audio and video equipment.....	710	663	610	7.1	8.7	-7.9	572	664	562	534	2,364	2,414	-2.1
Semiconductors .....	7,022	6,829	6,730	2.8	1.5	3.6	6,530	7,281	6,885	5,302	26,657	22,133	20.4
Electronic components.....	4,445	4,352	4,371	2.1	-0.4	-4.0	4,081	4,458	4,335	3,742	16,839	15,571	8.1
Nondefense search and navigation equipment.....	900	919	867	-2.1	6.0	-2.0	829	992	842	841	3,412	3,159	8.0
Defense search and navigation equipment.....	2,562	2,458	2,556	4.2	-3.8	2.7	2,545	2,732	2,560	2,385	9,881	9,048	9.2
Electromedical, measuring, and control instruments.....	6,299	7,064	6,676	-10.8	5.8	-1.8	5,674	8,595	6,391	5,163	26,234	22,238	18.0
Electrical equipment, appliances, and components.....	8,666	8,630	8,457	0.4	2.0	-1.0	8,394	9,447	8,023	8,076	33,217	32,327	2.8
Electric lighting equipment.....	1,099	1,110	1,050	-1.0	5.7	2.3	1,028	1,223	1,040	950	4,183	4,055	3.2
Household appliances.....	1,945	1,945	1,955	0.0	-0.5	-0.9	1,907	2,132	1,847	1,913	7,490	7,268	3.1
Electrical equipment.....	2,551	2,562	2,534	-0.4	1.1	0.7	2,388	2,942	2,343	2,297	9,801	9,516	3.0
Batteries.....	482	488	488	-1.2	0.0	-7.0	433	487	411	420	1,761	1,656	6.3
Transportation equipment.....	53,953	56,164	55,431	-3.9	1.3	7.6	54,252	64,414	56,275	49,252	221,439	204,323	8.4
Automobiles.....	7,682	7,978	7,762	-3.7	2.8	8.2	7,777	9,369	7,989	6,932	31,965	29,374	8.8
Light trucks and utility vehicles.....	11,713	12,273	11,996	-4.6	2.3	12.5	11,746	14,721	12,395	9,916	48,968	43,044	13.8
Heavy duty trucks .....	1,192	1,169	1,130	2.0	3.5	-3.0	1,236	1,222	1,075	1,077	4,580	4,041	13.3
Motor vehicle bodies, parts, and trailers.....	18,450	19,001	17,990	-2.9	5.6	0.2	19,698	21,091	18,715	18,395	76,483	73,435	4.2
Nondefense aircraft and parts.....	5,431	5,880	5,637	-7.6	4.3	8.4	4,832	7,219	5,610	4,794	21,582	21,303	1.3
Defense aircraft and parts.....	3,509	3,958	4,868	-11.3	-18.7	38.0	3,250	4,232	4,467	2,882	14,859	11,898	24.9
Ships and boats.....	2,386	2,337	2,216	2.1	5.5	0.9	2,468	2,549	2,357	1,999	9,112	8,015	13.7
Furniture and related products.....	6,138	5,940	5,929	3.3	0.2	-4.0	6,059	6,159	6,110	5,478	24,209	22,339	8.4
Miscellaneous durable goods .....	11,349	11,651	11,169	-2.6	4.3	-0.8	10,837	12,813	10,748	10,230	44,422	40,881	8.7
Nondurable goods industries.....	165,868	165,786	159,359	0.0	4.0	-1.8	166,230	172,247	155,141	148,844	645,882	594,063	8.7
Food products.....	39,945	39,063	38,103	2.3	2.5	-1.4	38,979	39,814	37,536	36,887	153,069	147,312	3.9
Grain and oilseed milling.....	3,473	3,492	3,276	-0.5	6.6	-5.4	3,332	3,577	3,431	3,910	13,756	15,968	-13.9
Dairy products.....	6,555	6,382	5,788	2.7	10.3	0.5	6,479	6,509	5,450	5,195	24,000	20,357	17.9
Meat, poultry, and seafood products.....	11,415	10,811	11,051	5.6	-2.2	-1.9	11,304	10,554	11,201	10,763	43,765	43,021	1.7
Beverage and tobacco products.....	8,930	9,288	8,485	-3.9	9.5	-0.5	8,953	9,373	8,000	8,826	34,154	33,771	1.1
Beverages.....	5,816	5,824	5,724	-0.1	1.7	-4.0	5,839	5,909	5,239	5,744	22,251	21,589	3.1
Tobacco.....	3,114	3,464	2,761	-10.1	25.5	7.7	3,114	3,464	2,761	3,082	11,903	12,182	-2.3
Textile mills.....	3,405	3,392	3,378	0.4	0.4	-1.0	3,445	3,593	3,440	3,194	13,556	13,347	1.6
Textile products.....	3,101	3,165	3,192	-2.0	-0.8	-3.2	3,166	3,278	3,159	2,904	12,445	11,005	13.1
Apparel.....	4,751	4,715	4,601	0.8	2.5	0.7	4,466	4,873	4,663	3,946	18,165	16,991	6.9
Leather and allied products.....	878	879	879	-0.1	0.0	2.1	812	881	917	861	3,350	3,544	-5.5
Paper products.....	14,013	13,868	13,462	1.0	3.0	-4.5	13,827	14,264	13,408	13,065	55,144	52,018	6.0
Pulp, paper, and paperboard mills.....	5,861	5,830	5,710	0.5	2.1	-1.1	5,787	6,048	5,705	5,731	23,204	23,124	0.3
Paperboard containers.....	3,769	3,654	3,548	3.1	3.0	-4.2	3,818	3,747	3,475	3,682	14,586	14,459	0.9
Printing.....	7,783	7,899	7,794	-1.5	1.3	-0.3	7,603	8,157	7,382	7,945	30,409	31,332	-2.9
Petroleum and coal products.....	25,111	25,974	24,416	-3.3	6.4	-2.5	26,016	25,371	22,738	18,087	96,847	75,730	27.9
Petroleum refineries.....	23,004	23,988	22,506	-4.1	6.6	-2.3	23,934	23,479	21,167	16,416	89,854	70,022	28.3
Basic chemicals.....	41,251	40,969	39,338	0.7	4.1	-1.5	41,664	44,795	38,491	37,541	163,065	148,520	9.8
Pesticides, fertilizers, and other agricultural chemicals.....	1,584	1,634	1,623	-3.1	0.7	2.0	2,474	2,425	1,521	2,292	7,807	7,062	10.5
Pharmaceuticals and medicines.....	9,548	9,455	9,266	1.0	2.0	-2.0	9,180	10,059	8,944	9,418	37,586	38,670	-2.8
Paints, coatings, and adhesives.....	2,663	2,830	2,348	-5.9	20.5	2.2	2,804	2,896	2,273	2,467	10,036	9,176	9.4
Plastics and rubber products.....	16,700	16,574	15,711	0.8	5.5	-2.9	17,299	17,848	15,407	15,588	65,678	60,493	8.6

<sup>P</sup> Preliminary      <sup>r</sup> Revised      NA Not available.<sup>1</sup> 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 <sup>1</sup>						
	Monthly			Percent Change			Monthly				Year to date		
	Apr. 2004 <sup>p</sup>	Mar. 2004 <sup>r</sup>	Feb. 2004	Mar. - Apr.	Feb. - Mar.	Jan. - Feb.	Apr. 2004 <sup>p</sup>	Mar. 2004 <sup>r</sup>	Feb. 2004	Apr. 2003	2004 <sup>p</sup>	2003	Percent 2004/ 2003
All manufacturing industries <sup>2</sup> .....	356,851	363,146	345,778	-1.7	5.0	1.1	356,332	392,335	339,213	314,973	1,407,738	1,271,635	10.7
Excluding transportation <sup>2</sup> .....	302,331	305,899	290,789	-1.2	5.2	-0.5	302,231	324,956	283,575	264,747	1,182,501	1,061,905	11.4
Excluding defense <sup>2</sup> .....	347,347	352,540	334,481	-1.5	5.4	0.7	346,952	378,090	327,972	304,658	1,362,406	1,228,866	10.9
With unfilled orders <sup>2</sup> .....	134,411	139,923	131,876	-3.9	6.1	3.9	133,565	155,785	131,163	116,727	540,899	479,477	12.8
Durable goods industries <sup>2</sup> .....	190,983	197,360	186,419	-3.2	5.9	3.9	190,102	220,088	184,072	166,129	761,856	677,572	12.4
Primary metals.....	13,015	13,946	12,753	-6.7	9.4	4.8	13,415	15,150	13,514	10,993	54,566	44,843	21.7
Iron and steel mills.....	6,027	6,275	5,560	-4.0	12.9	4.6	6,134	6,909	6,081	5,078	24,536	20,501	19.7
Aluminum and nonferrous metals.....	5,498	6,069	5,756	-9.4	5.4	5.1	5,745	6,512	5,924	4,605	23,867	19,044	25.3
Ferrous metal foundries.....	1,490	1,602	1,437	-7.0	11.5	4.1	1,536	1,729	1,509	1,310	6,163	5,298	16.3
Fabricated metal products.....	23,942	24,228	21,925	-1.2	10.5	-0.6	24,059	25,398	21,985	19,755	92,507	79,729	16.0
Machinery.....	23,953	25,216	23,903	-5.0	5.5	4.2	25,736	28,771	23,155	21,363	99,045	83,891	18.1
Construction machinery.....	2,319	2,420	3,136	-4.2	-22.8	40.1	2,781	2,992	3,171	2,013	11,100	6,899	60.9
Mining, oil field, and gas field machinery.....	881	906	861	-2.8	5.2	8.6	856	994	860	675	3,465	2,656	30.5
Industrial machinery.....	3,021	3,518	3,098	-14.1	13.6	-2.9	3,301	4,016	2,894	2,732	13,579	12,108	12.1
Photographic equipment.....	969	949	931	2.1	1.9	2.1	905	1,014	836	734	3,509	3,052	15.0
Ventilation, heating, air-conditioning, and refrigeration equipment.....	2,866	2,851	2,751	0.5	3.6	12.6	2,968	3,131	2,471	2,550	10,767	9,687	11.1
Metalworking machinery.....	2,063	2,202	1,978	-6.3	11.3	-9.9	1,900	2,342	1,745	1,577	7,840	6,657	17.8
Turbines, generators, and other power transmission equipment.....	2,949	3,734	2,863	-21.0	30.4	-3.1	3,038	3,910	2,781	2,369	12,457	9,173	35.8
Material handling equipment.....	1,505	1,459	1,350	3.2	8.1	-2.4	1,511	1,797	1,415	1,320	6,049	5,549	9.0
Computers and electronic products <sup>2</sup> .....	31,686	33,062	31,702	-4.2	4.3	1.6	29,197	37,784	30,433	25,131	124,763	108,303	15.2
Computers.....	5,540	4,959	5,228	11.7	-5.1	0.2	4,871	5,370	4,594	4,165	19,594	16,494	18.8
Nondefense communications equipment.....	7,198	6,097	6,565	18.1	-7.1	6.4	7,138	7,229	6,624	5,971	26,319	26,199	0.5
Defense communications equipment.....	452	464	571	-2.6	-18.7	-16.5	443	505	552	382	2,130	1,731	23.1
Semiconductors <sup>2</sup> .....	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Electronic components.....	4,534	4,677	4,791	-3.1	-2.4	4.5	4,249	4,535	4,786	2,721	17,895	13,560	32.0
Nondefense search and navigation equipment.....	960	952	773	0.8	23.2	-7.0	874	1,070	787	778	3,510	3,243	8.2
Defense search and navigation equipment.....	2,732	2,784	3,168	-1.9	-12.1	-2.3	2,728	3,486	3,374	2,943	12,536	10,618	18.1
Electromedical, measuring, and control instruments.....	6,149	8,843	6,602	-30.5	33.9	0.7	5,694	10,059	6,425	5,164	27,790	22,816	21.8
Electrical equipment, appliances, and components.....	9,265	8,958	8,826	3.4	1.5	3.1	9,057	9,643	8,662	8,057	34,889	32,630	6.9
Electric lighting equipment.....	1,355	1,186	1,113	14.2	6.6	14.3	1,286	1,292	1,107	863	4,538	4,046	12.2
Household appliances.....	1,998	2,035	1,952	-1.8	4.3	4.5	1,951	2,187	1,854	2,172	7,561	7,591	-0.4
Electrical equipment.....	2,829	2,626	2,552	7.7	2.9	-2.0	2,758	2,924	2,515	2,363	10,449	9,779	6.9
Transportation equipment.....	54,520	57,247	54,989	-4.8	4.1	11.0	54,101	67,379	55,638	50,226	225,237	209,730	7.4
Motor vehicle bodies, parts, and trailers.....	18,675	19,149	18,298	-2.5	4.7	2.0	19,694	21,168	19,188	18,185	77,454	73,751	5.0
Nondefense aircraft and parts.....	5,769	6,387	5,501	-9.7	16.1	33.7	4,408	7,413	5,125	4,154	20,716	16,969	22.1
Defense aircraft and parts.....	2,394	2,541	3,622	-5.8	-29.8	49.9	2,547	4,205	3,388	4,685	13,131	16,777	-21.7
Ships and boats.....	2,011	1,983	2,642	1.4	-24.9	5.8	1,963	2,064	2,771	1,725	9,708	7,216	34.5
Furniture and related products.....	6,210	6,113	6,025	1.6	1.5	-3.9	6,320	6,334	6,144	5,789	24,922	22,678	9.9
Nondurable goods industries.....	165,868	165,786	159,359	0.0	4.0	-1.8	166,230	172,247	155,141	148,844	645,882	594,063	8.7

<sup>p</sup> Preliminary      <sup>r</sup> Revised      NA Not available.<sup>1</sup> New orders are the totals for the period and are adjusted for trading-day and calendar-month variations.<sup>2</sup> Data on new orders are not available for the semiconductor industry. Estimates and percent changes for new orders exclude semiconductor industry data.

Note: Estimates of manufacturers' shipments, inventories and orders are subject to survey error and revision. One major component of survey error is nonsampling error, which includes errors of coverage, response, and nonreporting. Since the survey panel is not a probability sample, estimates of sampling error cannot be calculated. 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 Apr. 04/03
	Apr. 2004 <sup>p</sup>	Mar. 2004 <sup>r</sup>	Feb. 2004	Mar. - Apr.	Feb. - Mar.	Jan. - Feb.	Apr. 2004 <sup>p</sup>	Mar. 2004 <sup>r</sup>	Feb. 2004	Apr. 2003	
All manufacturing industries <sup>1</sup> .....	520,258	517,585	510,535	0.5	1.4	0.9	529,296	525,993	516,677	493,389	7.3
Excluding transportation <sup>1</sup> .....	269,106	267,000	261,033	0.8	2.3	1.9	274,217	270,763	264,412	243,566	12.6
Excluding defense <sup>1</sup> .....	359,868	357,291	350,991	0.7	1.8	1.1	364,110	361,199	355,363	339,108	7.4
Durable goods industries <sup>1</sup> .....	520,258	517,585	510,535	0.5	1.4	0.9	529,296	525,993	516,677	493,389	7.3
Primary metals.....	18,131	18,173	17,541	-0.2	3.6	4.2	18,806	19,059	18,179	14,495	29.7
Iron and steel mills.....	10,349	10,282	9,889	0.7	4.0	3.1	10,679	10,787	10,244	7,566	41.1
Aluminum and nonferrous metals.....	5,304	5,392	5,189	-1.6	3.9	6.9	5,576	5,674	5,371	4,647	20.0
Ferrous metal foundries.....	2,478	2,499	2,463	-0.8	1.5	3.0	2,551	2,598	2,564	2,282	11.8
Fabricated metal products.....	44,194	42,903	41,446	3.0	3.5	3.4	44,592	43,151	41,546	36,480	22.2
Machinery.....	46,869	46,860	45,561	0.0	2.9	3.1	48,222	47,707	46,222	43,684	10.4
Construction machinery.....	4,221	4,129	3,868	2.2	6.7	35.6	4,673	4,417	4,084	2,168	115.5
Mining, oil field, and gas field machinery.....	1,377	1,303	1,198	5.7	8.8	11.2	1,377	1,303	1,198	813	69.4
Industrial machinery.....	7,870	8,124	8,091	-3.1	0.4	0.9	8,159	8,243	8,246	8,412	-3.0
Photographic equipment.....	954	941	909	1.4	3.5	4.8	974	948	897	726	34.2
Ventilation, heating, air-conditioning, and refrigeration equipment.....	4,626	4,528	4,447	2.2	1.8	3.0	4,804	4,554	4,461	4,410	8.9
Metalworking machinery.....	4,444	4,329	4,161	2.7	4.0	1.2	4,488	4,395	4,227	3,632	23.6
Turbines, generators, and other power transmission equipment.....	9,743	9,893	9,232	-1.5	7.2	-0.7	9,748	9,859	9,326	9,356	4.2
Material handling equipment.....	4,761	4,725	4,787	0.8	-1.3	-0.8	4,921	4,915	4,884	5,097	-3.5
Computers and electronic products <sup>1</sup> .....	133,036	132,614	130,559	0.3	1.6	1.0	135,543	134,471	132,484	124,189	9.1
Computers.....	7,688	8,072	8,320	-4.8	-3.0	-0.8	7,431	8,032	8,282	7,807	-4.8
Nondefense communications equipment.....	47,442	46,767	46,911	1.4	-0.3	0.8	48,660	47,365	47,485	47,100	3.3
Defense communications equipment.....	3,505	3,543	3,559	-1.1	-0.4	2.1	3,505	3,543	3,559	3,115	12.5
Semiconductors <sup>1</sup> .....	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Electronic components.....	14,862	14,773	14,448	0.6	2.2	3.0	14,985	14,817	14,740	13,473	11.2
Nondefense search and navigation equipment.....	4,620	4,560	4,527	1.3	0.7	-2.0	4,679	4,634	4,556	4,573	2.3
Defense search and navigation equipment.....	37,566	37,396	37,070	0.5	0.9	1.7	38,729	38,546	37,792	35,204	10.0
Electromedical, measuring, and control instruments.....	17,353	17,503	15,724	-0.9	11.3	-0.5	17,554	17,534	16,070	12,917	35.9
Electrical equipment, appliances, and components.....	14,937	14,338	14,010	4.2	2.3	2.7	15,087	14,424	14,228	14,095	7.0
Electric lighting equipment.....	1,614	1,358	1,282	18.9	5.9	5.2	1,612	1,354	1,285	1,446	11.5
Household appliances.....	808	755	665	7.0	13.5	-0.4	838	794	739	1,222	-31.4
Electrical equipment.....	8,858	8,580	8,516	3.2	0.8	0.2	8,921	8,551	8,569	8,334	7.0
Transportation equipment.....	251,152	250,585	249,502	0.2	0.4	-0.2	255,079	255,230	252,265	249,823	2.1
Motor vehicle bodies, parts, and trailers.....	14,163	13,938	13,790	1.6	1.1	2.3	14,591	14,595	14,518	12,449	17.2
Nondefense aircraft and parts.....	104,298	103,960	103,453	0.3	0.5	-0.1	104,205	104,629	104,435	107,160	-2.8
Defense aircraft and parts.....	57,243	58,358	59,775	-1.9	-2.4	-2.0	59,042	59,745	59,772	60,843	-3.0
Ships and boats.....	20,539	20,914	21,268	-1.8	-1.7	2.0	21,057	21,562	22,047	19,849	6.1
Furniture and related products.....	6,041	5,969	5,796	1.2	3.0	1.7	6,069	5,808	5,633	5,593	8.5

<sup>p</sup> Preliminary<sup>r</sup> Revised

NA Not available.

<sup>1</sup> 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 Apr. 04/03
	Apr. 2004 <sup>p</sup>	Mar. 2004 <sup>r</sup>	Feb. 2004	Mar. - Apr.	Feb. - Mar.	Jan. - Feb.	Apr. 2004 <sup>p</sup>	Mar. 2004 <sup>r</sup>	Feb. 2004	Apr. 2003	
All manufacturing industries.....	446,224	444,579	442,798	0.4	0.4	0.6	448,882	443,371	445,854	446,470	0.5
Excluding transportation.....	377,939	376,591	374,665	0.4	0.5	0.7	380,386	376,069	377,333	377,974	0.6
Excluding defense.....	422,000	420,261	418,595	0.4	0.4	0.6	424,667	419,403	421,491	423,577	0.3
With unfilled orders.....	208,251	207,022	206,213	0.6	0.4	0.4	209,517	206,055	207,911	212,561	-1.4
Durable goods industries.....	266,844	265,607	264,550	0.5	0.4	0.5	268,889	264,981	267,403	270,318	-0.5
Wood products.....	10,149	10,040	9,840	1.1	2.0	1.5	10,296	10,355	10,182	9,723	5.9
Nonmetallic mineral products.....	9,165	9,212	9,292	-0.5	-0.9	0.5	9,365	9,425	9,453	9,949	-5.9
Primary metals.....	18,312	18,053	17,746	1.4	1.7	1.4	18,276	17,951	17,766	18,924	-3.4
Iron and steel mills.....	9,630	9,451	9,259	1.9	2.1	0.9	9,544	9,304	9,224	10,682	-10.7
Aluminum and nonferrous metals.....	7,019	6,918	6,781	1.5	2.0	2.1	6,997	6,900	6,787	6,423	8.9
Ferrous metal foundries.....	1,663	1,684	1,706	-1.2	-1.3	1.2	1,735	1,747	1,755	1,819	-4.6
Fabricated metal products.....	31,597	31,436	31,377	0.5	0.2	1.4	31,969	31,882	31,758	31,826	0.4
Machinery.....	42,548	42,498	42,180	0.1	0.8	0.8	42,944	42,788	42,973	42,825	0.3
Farm machinery.....	2,300	2,334	2,327	-1.5	0.3	4.1	2,341	2,463	2,490	2,211	5.9
Construction machinery.....	3,779	3,768	3,760	0.3	0.2	1.8	3,841	3,873	3,867	3,555	8.0
Mining, oil field, and gas field machinery.....	2,316	2,299	2,272	0.7	1.2	1.4	2,331	2,288	2,252	2,272	2.6
Industrial machinery.....	6,771	6,800	6,791	-0.4	0.1	1.5	6,792	6,803	6,922	6,882	-1.3
Photographic equipment.....	1,396	1,392	1,396	0.3	-0.3	-2.3	1,421	1,383	1,402	1,459	-2.6
Ventilation, heating, air-conditioning, and refrigeration equipment.....	4,299	4,273	4,218	0.6	1.3	0.8	4,465	4,332	4,288	4,204	6.2
Metalworking machinery.....	4,415	4,442	4,348	-0.6	2.2	0.1	4,390	4,380	4,327	4,517	-2.8
Turbines, generators, and other power transmission equipment.....	4,415	4,314	4,265	2.3	1.1	-0.9	4,368	4,217	4,266	4,181	4.5
Material handling equipment.....	2,340	2,290	2,259	2.2	1.4	-1.1	2,355	2,308	2,280	2,300	2.4
Computers and electronic products.....	47,571	47,195	46,833	0.8	0.8	-0.2	47,909	46,126	47,316	49,018	-2.3
Computers.....	2,440	2,463	2,415	-0.9	2.0	-0.8	2,389	2,389	2,430	2,491	-4.1
Computer storage devices.....	1,198	1,197	1,204	0.1	-0.6	-2.2	1,256	1,107	1,248	1,250	0.5
Other peripheral equipment.....	2,297	2,225	2,327	3.2	-4.4	-1.5	2,323	2,113	2,366	2,475	-6.1
Nondefense communications equipment.....	9,432	9,261	9,241	1.8	0.2	-1.2	9,479	9,013	9,324	10,502	-9.7
Defense communications equipment.....	1,309	1,306	1,283	0.2	1.8	7.9	1,309	1,306	1,283	1,311	-0.2
Audio and video equipment.....	891	905	899	-1.5	0.7	-2.9	827	772	866	1,000	-17.3
Semiconductors <sup>1</sup> .....	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Electronic components.....	7,914	7,739	7,572	2.3	2.2	-0.2	7,997	7,570	7,723	7,836	2.1
Nondefense search and navigation equipment.....	2,443	2,476	2,473	-1.3	0.1	-2.8	2,471	2,450	2,463	2,673	-7.6
Defense search and navigation equipment.....	2,877	2,846	2,837	1.1	0.3	-5.2	2,911	2,785	2,830	3,233	-10.0
Electromedical, measuring and control instruments.....	10,132	10,111	10,091	0.2	0.2	2.0	10,156	9,977	10,224	10,202	-0.5
Electrical equipment, appliances, and components.....	12,299	12,335	12,275	-0.3	0.5	-1.7	12,707	12,535	12,612	12,973	-2.1
Electric lighting equipment.....	1,407	1,405	1,394	0.1	0.8	0.5	1,425	1,404	1,409	1,525	-6.6
Household appliances.....	2,163	2,143	2,143	0.9	0.0	0.0	2,316	2,199	2,233	2,219	4.4
Electrical equipment.....	4,294	4,306	4,246	-0.3	1.4	1.5	4,404	4,351	4,389	4,133	6.6
Batteries.....	594	595	576	-0.2	3.3	2.1	606	592	565	556	9.0
Transportation equipment.....	68,285	67,988	68,133	0.4	-0.2	0.4	68,496	67,302	68,521	68,496	0.0
Automobiles.....	2,006	1,963	1,969	2.2	-0.3	0.0	2,066	1,943	2,030	1,983	4.2
Light trucks and utility vehicles.....	2,538	2,467	2,402	2.9	2.7	-1.7	2,611	2,402	2,398	2,223	17.5
Heavy duty trucks.....	778	774	750	0.5	3.2	-0.1	758	766	757	729	4.0
Motor vehicle bodies, parts, and trailers.....	15,790	15,855	15,826	-0.4	0.2	1.0	15,905	15,956	15,919	15,740	1.0
Nondefense aircraft and parts.....	23,769	23,610	23,915	0.7	-1.3	-0.2	23,757	23,225	23,940	25,954	-8.5
Defense aircraft and parts.....	11,604	11,625	11,498	-0.2	1.1	-0.1	11,540	11,409	11,756	10,478	10.1
Ships and boats.....	3,109	3,157	3,194	-1.5	-1.2	4.2	3,136	3,176	3,190	2,659	17.9
Furniture and related products.....	7,834	7,625	7,589	2.7	0.5	-0.1	7,817	7,492	7,479	7,850	-0.4
Miscellaneous durable goods.....	19,084	19,225	19,285	-0.7	-0.3	0.9	19,110	19,125	19,343	18,734	2.0
Nondurable goods industries.....	179,380	178,972	178,248	0.2	0.4	0.8	179,993	178,390	178,451	176,152	2.2
Food products.....	33,444	33,405	33,109	0.1	0.9	0.6	32,534	32,845	33,095	32,051	1.5
Grain and oilseed milling.....	3,342	3,406	3,409	-1.9	-0.1	4.6	3,261	3,490	3,561	3,498	-6.8
Dairy products.....	3,871	3,729	3,639	3.8	2.5	1.0	4,021	3,730	3,624	3,682	9.2
Meat, poultry, and seafood products.....	6,235	6,200	6,103	0.6	1.6	0.1	6,261	6,250	6,087	5,957	5.1
Beverage and tobacco products.....	14,761	14,701	14,770	0.4	-0.5	1.0	14,716	14,711	14,998	14,582	0.9
Beverages.....	10,165	10,148	10,132	0.2	0.2	2.0	10,192	10,149	10,113	9,731	4.7
Tobacco.....	4,596	4,553	4,638	0.9	-1.8	-1.0	4,524	4,562	4,885	4,851	-6.7
Textile mills.....	4,879	4,908	4,930	-0.6	-0.4	-0.3	4,988	4,900	4,950	5,190	-3.9
Textile products.....	5,109	5,100	5,094	0.2	0.1	0.1	5,205	5,079	5,081	5,115	1.8
Apparel.....	6,890	6,899	6,892	-0.1	0.1	-2.3	6,820	6,724	6,761	7,184	-5.1
Leather and allied products.....	1,677	1,679	1,717	-0.1	-2.2	-0.3	1,643	1,626	1,695	1,623	1.2
Paper products.....	14,172	14,236	14,371	-0.4	-0.9	-0.5	14,287	14,318	14,503	15,067	-5.2
Pulp, paper, and paperboard mills.....	6,186	6,230	6,335	-0.7	-1.7	-0.9	6,212	6,275	6,425	6,622	-6.2
Paperboard containers.....	4,059	4,033	4,066	0.6	-0.8	-1.0	4,074	4,021	4,109	4,296	-5.2
Printing.....	6,144	6,130	6,190	0.2	-1.0	2.9	6,058	6,013	6,011	6,170	-1.8
Petroleum and coal products.....	16,325	16,248	16,279	0.5	-0.2	1.1	16,676	15,982	15,939	16,257	2.6
Petroleum refineries.....	14,739	14,609	14,677	0.9	-0.5	0.9	15,042	14,341	14,372	14,655	2.6
Basic chemicals.....	55,269	54,932	54,245	0.6	1.3	1.8	55,853	55,050	54,525	52,274	6.8
Pesticides, fertilizers, and other agricultural chemicals.....	2,324	2,326	2,387	-0.1	-2.6	1.3	2,528	2,705	2,814	2,602	-2.8
Pharmaceuticals and medicines.....	23,569	23,006	22,279	2.4	3.3	4.0	23,724	22,708	21,963	19,971	18.8
Paints, coatings, and adhesives.....	2,780	2,773	2,785	0.3	-0.4	-0.1	2,846	2,848	2,835	2,844	0.1
Plastics and rubber products.....	20,710	20,734	20,651	-0.1	0.4	0.2	21,213	21,142	20,893	20,639	2.8

<sup>p</sup> Preliminary<sup>r</sup> Revised

NA Not available.

<sup>1</sup> 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 <sup>1</sup>**

[Millions of Dollars]

Industry	Seasonally Adjusted						Not Seasonally Adjusted <sup>2</sup>						
	Monthly			Percent Change			Monthly				Year to date		Percent Change <sup>6</sup> 2004/ 2003
	Apr. 2004 <sup>p</sup>	Mar. 2004 <sup>r</sup>	Feb. 2004	Mar. - Apr.	Feb. - Mar.	Jan. - Feb.	Apr. 2004 <sup>p</sup>	Mar. 2004 <sup>r</sup>	Feb. 2004	Apr. 2003	2004 <sup>p</sup>	2003	
<b>SHIPMENTS</b>													
All manufacturing industries .....	361,200	362,925	348,157	-0.5	4.2	-0.1	359,559	390,300	339,222	319,294	1,407,515	1,281,058	9.9
Construction materials and supplies.....	39,853	39,630	35,743	0.6	10.9	0.2	40,126	40,365	33,617	34,367	145,529	131,553	10.6
Information technology.....	30,364	30,097	29,410	0.9	2.3	-2.8	27,561	34,965	26,818	24,113	114,881	100,072	14.8
Computers and related products .....	8,760	8,266	8,167	6.0	1.2	-2.7	7,610	9,881	6,680	6,431	31,515	26,224	20.2
Motor vehicle and parts.....	39,037	40,421	38,878	-3.4	4.0	5.2	40,457	46,403	40,174	36,320	161,996	149,894	8.1
Capital goods.....	70,154	70,245	69,289	-0.1	1.4	1.5	67,379	80,199	65,233	59,033	271,293	239,808	13.1
Nondefense capital goods <sup>3</sup> .....	62,000	62,035	59,993	-0.1	3.4	-0.3	59,525	71,187	56,075	51,917	238,491	211,555	12.7
Excluding aircraft.....	59,667	59,350	57,283	0.5	3.6	-1.7	57,570	67,723	53,578	50,106	229,297	202,422	13.3
Defense capital goods <sup>4</sup> .....	8,154	8,210	9,296	-0.7	-11.7	15.1	7,854	9,012	9,158	7,116	32,802	28,253	16.1
Consumer goods.....	136,564	137,736	132,855	-0.9	3.7	-0.2	135,973	144,802	130,572	121,105	535,995	492,611	8.8
Consumer durable goods.....	35,334	36,138	35,152	-2.2	2.8	4.6	35,621	41,691	35,536	31,868	143,670	131,483	9.3
Consumer nondurable goods.....	101,230	101,598	97,703	-0.4	4.0	-1.9	100,352	103,111	95,036	89,237	392,325	361,128	8.6
<b>NEW ORDERS</b>													
All manufacturing industries <sup>5</sup> .....	356,851	363,146	345,778	-1.7	5.0	1.1	356,332	392,335	339,213	314,973	1,407,738	1,271,635	10.7
Construction materials and supplies.....	41,369	40,920	36,829	1.1	11.1	1.1	41,968	41,687	34,906	34,127	151,421	131,360	15.3
Information technology.....	30,722	31,957	30,563	-3.9	4.6	1.5	28,482	37,016	29,258	25,383	120,957	107,353	12.7
Computers and related products .....	8,376	8,018	8,104	4.5	-1.1	2.2	7,009	9,631	6,833	6,207	30,141	25,907	16.3
Motor vehicle and parts.....	39,262	40,569	39,186	-3.2	3.5	6.1	40,453	46,480	40,647	36,110	162,967	150,210	8.5
Capital goods.....	71,170	74,113	71,319	-4.0	3.9	5.8	68,860	86,205	68,518	61,824	285,647	253,308	12.8
Nondefense capital goods <sup>3</sup> .....	62,798	64,726	60,967	-3.0	6.2	4.1	60,711	73,524	58,391	52,839	245,397	216,014	13.6
Excluding aircraft.....	60,079	62,426	58,778	-3.8	6.2	2.3	59,132	70,758	56,764	51,336	238,008	210,467	13.1
Defense capital goods <sup>4</sup> .....	8,372	9,387	10,352	-10.8	-9.3	17.0	8,149	12,681	10,127	8,985	40,250	37,294	7.9
Consumer goods.....	136,181	137,815	132,671	-1.2	3.9	-0.4	135,635	144,857	130,376	121,423	535,866	493,154	8.7
Consumer durable goods.....	34,951	36,217	34,968	-3.5	3.6	3.8	35,283	41,746	35,340	32,186	143,541	132,026	8.7
Consumer nondurable goods.....	101,230	101,598	97,703	-0.4	4.0	-1.9	100,352	103,111	95,036	89,237	392,325	361,128	8.6
<b>UNFILLED ORDERS</b>													
All manufacturing industries <sup>5</sup> .....	520,258	517,585	510,535	0.5	1.4	0.9	529,296	525,993	516,677	493,389	(X)	(X)	7.3
Construction materials and supplies.....	37,430	35,914	34,624	4.2	3.7	3.2	37,761	35,919	34,597	30,940	(X)	(X)	22.0
Information technology.....	122,785	122,427	120,567	0.3	1.5	1.0	125,248	124,327	122,276	114,535	(X)	(X)	9.4
Computers and related products .....	7,688	8,072	8,320	-4.8	-3.0	-0.8	7,431	8,032	8,282	7,807	(X)	(X)	-4.8
Motor vehicle and parts.....	14,163	13,938	13,790	1.6	1.1	2.3	14,591	14,595	14,518	12,449	(X)	(X)	17.2
Capital goods.....	365,569	364,553	360,685	0.3	1.1	0.6	372,151	370,670	364,664	352,211	(X)	(X)	5.7
Nondefense capital goods <sup>3</sup> .....	223,944	223,146	220,455	0.4	1.2	0.4	226,453	225,267	222,930	217,861	(X)	(X)	3.9
Excluding aircraft.....	145,393	144,981	141,905	0.3	2.2	1.1	147,995	146,433	143,398	136,316	(X)	(X)	8.6
Defense capital goods <sup>4</sup> .....	141,625	141,407	140,230	0.2	0.8	0.8	145,698	145,403	141,734	134,350	(X)	(X)	8.4
Consumer goods.....	12,356	12,739	12,660	-3.0	0.6	-1.4	12,482	12,820	12,765	12,410	(X)	(X)	0.6
Consumer durable goods.....	12,356	12,739	12,660	-3.0	0.6	-1.4	12,482	12,820	12,765	12,410	(X)	(X)	0.6
<b>TOTAL INVENTORIES</b>													
All manufacturing industries .....	446,224	444,579	442,798	0.4	0.4	0.6	448,882	443,371	445,854	446,470	(X)	(X)	0.5
Construction materials and supplies.....	47,361	47,140	46,799	0.5	0.7	1.0	48,187	48,154	47,725	48,068	(X)	(X)	0.2
Information technology.....	38,746	38,554	38,569	0.5	0.0	-1.2	38,981	37,751	38,940	41,601	(X)	(X)	-6.3
Computers and related products .....	5,935	5,885	5,946	0.8	-1.0	-1.4	5,968	5,609	6,044	6,216	(X)	(X)	-4.0
Motor vehicle and parts.....	21,112	21,059	20,947	0.3	0.5	0.6	21,340	21,067	21,104	20,675	(X)	(X)	3.2
Capital goods.....	125,066	125,015	124,942	0.0	0.1	0.3	125,710	124,028	125,987	128,059	(X)	(X)	-1.8
Nondefense capital goods <sup>3</sup> .....	105,555	105,300	105,241	0.2	0.1	0.2	106,118	104,517	106,303	109,557	(X)	(X)	-3.1
Excluding aircraft.....	88,438	88,310	88,090	0.1	0.2	0.2	89,037	87,786	89,068	90,660	(X)	(X)	-1.8
Defense capital goods <sup>4</sup> .....	19,511	19,715	19,701	-1.0	0.1	1.3	19,592	19,511	19,684	18,502	(X)	(X)	5.9
Consumer goods.....	138,987	138,065	137,184	0.7	0.6	0.9	138,846	136,569	137,091	134,318	(X)	(X)	3.4
Consumer durable goods.....	27,923	27,672	27,537	0.9	0.5	0.0	28,227	27,481	27,950	27,718	(X)	(X)	1.8
Consumer nondurable goods.....	111,064	110,393	109,647	0.6	0.7	1.1	110,619	109,088	109,141	106,600	(X)	(X)	3.8

<sup>p</sup> Preliminary      <sup>r</sup> Revised      X Not Applicable.

<sup>1</sup> Topical series are regroupings of the separate industry categories.

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

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

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

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

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

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

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

[Millions of Dollars]

Industry	Seasonally Adjusted						Not Seasonally Adjusted				
	Monthly			Percent Change			Monthly				Percent Change Apr. 04/03
	Apr. 2004 <sup>p</sup>	Mar. 2004 <sup>r</sup>	Feb. 2004	Mar. - Apr.	Feb. - Mar.	Jan. - Feb.	Apr. 2004 <sup>p</sup>	Mar. 2004 <sup>r</sup>	Feb. 2004	Apr. 2003	
<b><u>MATERIALS AND SUPPLIES</u></b>											
All manufacturing industries .....	146,946	145,564	144,567	0.9	0.7	1.0	146,810	145,160	145,353	147,400	-0.4
Durable goods industries .....	87,103	85,836	84,796	1.5	1.2	0.9	86,728	85,344	85,452	86,536	0.2
Wood products.....	3,941	3,839	3,700	2.7	3.8	-0.4	3,658	3,719	3,780	3,339	9.6
Nonmetallic mineral products.....	3,335	3,309	3,292	0.8	0.5	1.6	3,308	3,287	3,273	3,311	-0.1
Primary metals.....	6,569	6,396	6,242	2.7	2.5	7.5	6,430	6,206	6,146	6,212	3.5
Fabricated metal products.....	11,586	11,495	11,335	0.8	1.4	2.0	11,625	11,556	11,389	11,295	2.9
Machinery.....	12,596	12,503	12,408	0.7	0.8	0.2	12,639	12,479	12,484	13,123	-3.7
Computers and electronic products .....	17,171	16,808	16,614	2.2	1.2	0.4	17,104	16,704	16,890	17,725	-3.5
Electrical equipment, appliances, and components.....	4,578	4,586	4,525	-0.2	1.3	-4.2	4,648	4,605	4,642	4,866	-4.5
Transportation equipment.....	17,662	17,569	17,278	0.5	1.7	1.5	17,650	17,498	17,450	17,238	2.4
Furniture and related products.....	3,312	3,130	3,133	5.8	-0.1	-2.0	3,307	3,133	3,120	3,242	2.0
Miscellaneous products.....	6,353	6,201	6,269	2.5	-1.1	-0.4	6,359	6,157	6,278	6,185	2.8
Nondurable goods industries.....	59,843	59,728	59,771	0.2	-0.1	1.2	60,082	59,816	59,901	60,864	-1.3
Food products.....	10,077	10,223	10,355	-1.4	-1.3	0.9	9,995	10,285	10,420	10,563	-5.4
Beverage and tobacco products.....	5,333	5,318	5,396	0.3	-1.4	2.4	5,374	5,410	5,539	5,584	-3.8
Textiles.....	1,398	1,366	1,365	2.3	0.1	1.1	1,432	1,366	1,372	1,615	-11.3
Textile products.....	1,800	1,801	1,796	-0.1	0.3	1.0	1,815	1,790	1,789	1,833	-1.0
Apparel.....	1,591	1,604	1,634	-0.8	-1.8	-1.1	1,634	1,602	1,614	1,785	-8.5
Leather and allied products.....	453	447	448	1.3	-0.2	0.0	448	432	439	431	3.9
Paper products.....	6,517	6,492	6,531	0.4	-0.6	-1.3	6,509	6,509	6,591	6,974	-6.7
Printing .....	2,735	2,712	2,711	0.8	0.0	3.7	2,638	2,709	2,660	2,676	-1.4
Petroleum and coal products.....	5,164	5,167	5,109	-0.1	1.1	3.8	5,375	5,149	5,045	4,684	14.8
Basic chemicals.....	17,220	17,116	17,018	0.6	0.6	1.9	17,252	17,104	16,971	17,254	0.0
Plastics and rubber products.....	7,555	7,482	7,408	1.0	1.0	-0.4	7,610	7,460	7,461	7,465	1.9
<b><u>WORK IN PROCESS</u></b>											
All manufacturing industries .....	130,153	129,665	129,458	0.4	0.2	0.4	130,800	128,725	129,880	129,238	1.2
Durable goods industries .....	97,851	97,578	97,768	0.3	-0.2	0.4	98,678	97,005	98,316	98,502	0.2
Wood products.....	2,007	2,024	2,045	-0.8	-1.0	4.0	2,018	2,035	2,046	2,031	-0.6
Nonmetallic mineral products.....	1,177	1,210	1,224	-2.7	-1.1	-0.1	1,226	1,285	1,275	1,276	-3.9
Primary metals.....	6,341	6,220	5,944	1.9	4.6	-2.4	6,333	6,198	5,920	6,371	-0.6
Fabricated metal products.....	9,593	9,557	9,576	0.4	-0.2	1.0	9,593	9,554	9,577	9,324	2.9
Machinery.....	15,069	14,935	14,976	0.9	-0.3	1.1	15,167	14,763	15,025	14,378	5.5
Computers and electronic products .....	18,687	18,413	18,194	1.5	1.2	-0.2	19,139	17,948	18,291	18,744	2.1
Electrical equipment, appliances, and components.....	2,918	2,918	2,921	0.0	-0.1	0.1	3,012	2,954	2,983	3,033	-0.7
Transportation equipment.....	37,585	37,522	38,069	0.2	-1.4	-0.1	37,718	37,508	38,429	38,376	-1.7
Furniture and related products.....	1,549	1,554	1,538	-0.3	1.0	0.3	1,547	1,555	1,532	1,601	-3.4
Miscellaneous products.....	2,925	3,225	3,281	-9.3	-1.7	6.9	2,925	3,205	3,238	3,368	-13.2
Nondurable goods industries.....	32,302	32,087	31,690	0.7	1.3	0.5	32,122	31,720	31,564	30,736	4.5
Food products.....	3,097	3,039	2,995	1.9	1.5	-0.1	2,950	2,971	3,015	2,813	4.9
Beverage and tobacco products.....	4,826	4,728	4,727	2.1	0.0	-1.3	4,646	4,687	4,866	4,266	8.9
Textiles.....	1,299	1,290	1,286	0.7	0.3	-0.2	1,324	1,288	1,297	1,255	5.5
Textile products.....	686	692	693	-0.9	-0.1	-2.7	704	693	693	737	-4.5
Apparel.....	1,185	1,189	1,193	-0.3	-0.3	1.5	1,209	1,160	1,184	1,324	-8.7
Leather and allied products.....	181	181	190	0.0	-4.7	-4.5	180	180	190	169	6.5
Paper products.....	1,178	1,158	1,137	1.7	1.8	-0.4	1,180	1,139	1,131	1,192	-1.0
Printing .....	1,670	1,683	1,749	-0.8	-3.8	4.2	1,666	1,620	1,679	1,766	-5.7
Petroleum and coal products.....	4,564	4,518	4,600	1.0	-1.8	1.3	4,622	4,520	4,488	4,427	4.4
Basic chemicals.....	11,161	11,123	10,650	0.3	4.4	1.2	11,156	10,917	10,510	10,258	8.8
Plastics and rubber products.....	2,455	2,486	2,470	-1.2	0.6	-0.2	2,485	2,545	2,511	2,529	-1.7
<b><u>FINISHED GOODS</u></b>											
All manufacturing industries .....	169,125	169,350	168,773	-0.1	0.3	0.5	171,272	169,486	170,621	169,832	0.8
Durable goods industries .....	81,890	82,193	81,986	-0.4	0.3	0.2	83,483	82,632	83,635	85,280	-2.1
Wood products.....	4,201	4,177	4,095	0.6	2.0	2.0	4,620	4,601	4,356	4,353	6.1
Nonmetallic mineral products.....	4,653	4,693	4,776	-0.9	-1.7	-0.1	4,831	4,853	4,905	5,362	-9.9
Primary metals.....	5,402	5,437	5,560	-0.6	-2.2	-0.9	5,513	5,547	5,700	6,341	-13.1
Fabricated metal products.....	10,418	10,384	10,466	0.3	-0.8	1.0	10,751	10,772	10,792	11,207	-4.1
Machinery.....	14,883	15,060	14,796	-1.2	1.8	0.9	15,138	15,546	15,464	15,324	-1.2
Computers and electronic products .....	11,713	11,974	12,025	-2.2	-0.4	-1.0	11,666	11,474	12,135	12,549	-7.0
Electrical equipment, appliances, and components.....	4,803	4,831	4,829	-0.6	0.0	-0.3	5,047	4,976	4,987	5,074	-0.5
Transportation equipment.....	13,038	12,897	12,786	1.1	0.9	0.1	13,128	12,296	12,642	12,882	1.9
Furniture and related products.....	2,973	2,941	2,918	1.1	0.8	1.8	2,963	2,804	2,827	3,007	-1.5
Miscellaneous products.....	9,806	9,799	9,735	0.1	0.7	-0.1	9,826	9,763	9,827	9,181	7.0
Nondurable goods industries.....	87,235	87,157	86,787	0.1	0.4	0.7	87,789	86,854	86,986	84,552	3.8
Food products.....	20,270	20,143	19,759	0.6	1.9	0.6	19,589	19,589	19,660	18,675	4.9
Beverage and tobacco products.....	4,602	4,655	4,647	-1.1	0.2	1.7	4,696	4,614	4,593	4,732	-0.8
Textiles.....	2,182	2,252	2,279	-3.1	-1.2	-1.1	2,232	2,246	2,281	2,320	-3.8
Textile products.....	2,623	2,607	2,605	0.6	0.1	0.3	2,686	2,596	2,599	2,545	5.5
Apparel.....	4,114	4,106	4,065	0.2	1.0	-3.7	3,977	3,962	3,963	4,075	-2.4
Leather and allied products.....	1,043	1,051	1,079	-0.8	-2.6	0.4	1,015	1,014	1,066	1,023	-0.8
Paper products.....	6,477	6,586	6,703	-1.7	-1.7	0.2	6,598	6,670	6,781	6,901	-4.4
Printing .....	1,739	1,735	1,730	0.2	0.3	0.3	1,754	1,684	1,672	1,728	1.5
Petroleum and coal products.....	6,597	6,563	6,570	0.5	-0.1	-1.0	6,679	6,313	6,406	7,146	-6.5
Basic chemicals.....	26,888	26,693	26,577	0.7	0.4	2.0	27,445	27,029	27,044	24,762	10.8
Plastics and rubber products.....	10,700	10,766	10,773	-0.6	-0.1	0.8	11,118	11,137	10,921	10,645	4.4

<sup>p</sup> Preliminary<sup>r</sup> 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 <sup>1</sup>			
	Apr 2004 <sup>p</sup>	Mar 2004 <sup>f</sup>	Feb 2004	Jan 2004	Apr 2004 <sup>p</sup>	Mar 2004 <sup>f</sup>	Feb 2004	Jan 2004
All manufacturing industries <sup>2</sup> .....	1.24	1.22	1.27	1.26	(X)	(X)	(X)	(X)
Durable goods industries <sup>2</sup> .....	1.37	1.35	1.40	1.41	3.95	3.90	4.00	3.99
Wood products.....	1.07	1.10	1.17	1.19	(X)	(X)	(X)	(X)
Nonmetallic mineral products.....	1.18	1.18	1.32	1.30	(X)	(X)	(X)	(X)
Primary metals.....	1.40	1.36	1.47	1.48	1.39	1.36	1.46	1.43
Fabricated metal products.....	1.39	1.38	1.53	1.48	2.03	1.96	2.10	2.01
Machinery.....	1.78	1.78	1.87	1.85	2.18	2.17	2.24	2.15
Computers and electronic products <sup>2</sup> ..	1.24	1.25	1.26	1.24	4.90	4.96	4.93	4.70
Electrical equipment, appliances, and components.....	1.42	1.43	1.45	1.46	1.83	1.76	1.76	1.70
Transportation equipment.....	1.27	1.21	1.23	1.32	7.53	7.21	7.22	7.69
Furniture and related products.....	1.28	1.28	1.28	1.23	1.12	1.15	1.12	1.05
Miscellaneous products.....	1.68	1.65	1.73	1.70	(X)	(X)	(X)	(X)
Nondurable goods industries.....	1.08	1.08	1.12	1.09	(X)	(X)	(X)	(X)
Food products.....	0.84	0.86	0.87	0.85	(X)	(X)	(X)	(X)
Beverage and tobacco products.....	1.65	1.58	1.74	1.72	(X)	(X)	(X)	(X)
Textiles.....	1.43	1.45	1.46	1.45	(X)	(X)	(X)	(X)
Textile products.....	1.65	1.61	1.60	1.54	(X)	(X)	(X)	(X)
Apparel.....	1.45	1.46	1.50	1.54	(X)	(X)	(X)	(X)
Leather and allied products.....	1.91	1.91	1.95	2.00	(X)	(X)	(X)	(X)
Paper products.....	1.01	1.03	1.07	1.02	(X)	(X)	(X)	(X)
Printing.....	0.79	0.78	0.79	0.77	(X)	(X)	(X)	(X)
Petroleum and coal products.....	0.65	0.63	0.67	0.64	(X)	(X)	(X)	(X)
Basic chemicals.....	1.34	1.34	1.38	1.33	(X)	(X)	(X)	(X)
Plastics and rubber products.....	1.24	1.25	1.31	1.27	(X)	(X)	(X)	(X)

<sup>p</sup> Preliminary

<sup>f</sup> Revised

X Not Applicable

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

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

**Table 8. Revisions to Previously Published Monthly Percent Changes**

[Based on Seasonally Adjusted data]

Industry	Shipments		New Orders		Unfilled Orders		Inventories	
	Apr <sup>1</sup> 2004	Apr <sup>2</sup> 2003-Mar 2004	Apr <sup>1</sup> 2004	Apr <sup>2</sup> 2003-Mar 2004	Apr <sup>1</sup> 2004	Apr <sup>2</sup> 2003-Mar 2004	Apr <sup>1</sup> 2004	Apr <sup>2</sup> 2003-Mar 2004
All manufacturing industries.....	(X)	0.3	(X)	0.5	(X)	0.1	(X)	0.1
Durable goods industries.....	-0.1	0.4	-0.3	0.7	-0.1	0.1	0.0	0.1
Wood products.....	(X)	1.0	(X)	(NA)	(X)	(NA)	(X)	0.5
Nonmetallic mineral products.....	(X)	0.9	(X)	(NA)	(X)	(NA)	(X)	0.7
Primary metals.....	-1.4	0.7	-1.4	1.4	0.0	0.9	0.0	0.4
Fabricated metal products.....	-0.3	0.6	-0.1	1.8	0.4	0.8	0.0	0.3
Machinery.....	0.0	0.8	-0.1	1.3	0.0	0.3	0.0	0.2
Computers and electronic products.....	0.3	0.7	-0.1	1.5	0.0	0.3	0.3	0.3
Electrical equipment, appliances and components.....	0.0	0.4	0.0	0.9	0.0	0.5	0.0	0.2
Transportation equipment.....	0.0	0.3	-0.1	0.5	0.0	0.1	0.0	0.2
Furniture and related products.....	(X)	0.9	(X)	1.4	(X)	1.1	(X)	0.3
Miscellaneous products.....	(X)	0.5	(X)	1.1	(X)	1.3	(X)	0.3
Nondurable goods industries.....	(X)	0.4	(X)	(NA)	(X)	(NA)	(X)	0.1
Food products.....	(X)	0.6	(X)	(NA)	(X)	(NA)	(X)	0.3
Beverage and tobacco products.....	(X)	0.8	(X)	(NA)	(X)	(NA)	(X)	0.3
Textiles.....	(X)	1.4	(X)	(NA)	(X)	(NA)	(X)	0.4
Textile products.....	(X)	0.7	(X)	(NA)	(X)	(NA)	(X)	0.4
Apparel.....	(X)	0.7	(X)	(NA)	(X)	(NA)	(X)	0.4
Leather and allied products.....	(X)	2.5	(X)	(NA)	(X)	(NA)	(X)	1.5
Paper products.....	(X)	0.6	(X)	(NA)	(X)	(NA)	(X)	0.3
Printing.....	(X)	0.7	(X)	(NA)	(X)	(NA)	(X)	0.4
Petroleum and coal products.....	(X)	1.7	(X)	(NA)	(X)	(NA)	(X)	1.2
Basic chemicals.....	(X)	0.6	(X)	(NA)	(X)	(NA)	(X)	0.4
Plastics and rubber products.....	(X)	0.5	(X)	(NA)	(X)	(NA)	(X)	0.3

X Not Applicable

NA Not Available

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

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

## 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 3,500 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 3,500 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 3,500 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>.