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## Full Report on Manufacturers' Shipments, Inventories and Orders July 2006

### Summary

New orders for manufactured goods in July, down following two consecutive monthly increases, decreased \$2.4 billion or 0.6 percent to \$405.1 billion, the U.S. Census Bureau reported today. This followed a 1.5 percent June increase.

Shipments, up two of the last three months, increased \$0.1 billion to \$403.9 billion. This followed a 0.1 percent June decrease.

Unfilled orders, up fourteen of the last fifteen months, increased \$8.2 billion or 1.3 percent to \$630.2 billion. This was at the highest level since the series was first stated on a NAICS basis in 1992 and followed a 1.7 percent June increase. The unfilled orders-to-shipments ratio was 4.28, up from 4.23 in June.

Inventories, up nine of the last ten months, increased \$3.0 billion or 0.6 percent to \$473.0 billion. This followed a 0.9 percent June increase. The inventories-to-shipments ratio was 1.17, up from 1.16 in June.

### New Orders

New orders for manufactured durable goods in July, down following two consecutive monthly increases, decreased \$5.4 billion or 2.5 percent to \$211.3 billion, revised from the previously published 2.4 percent decrease. This followed a 3.3 percent June increase.

Transportation equipment, down three of the last four months, had the largest decrease, \$6.3 billion or 10.1 percent to \$56.2 billion.

New orders for manufactured nondurable goods increased \$3.0 billion or 1.6 percent to \$193.8 billion.

### Shipments

Shipments of manufactured durable goods in July, down following two consecutive monthly increases, decreased \$2.8 billion or 1.3 percent to \$210.2 billion, unchanged from the previously published decrease. This followed a 0.2 percent June increase.

Transportation equipment, down three of the last four months, had the largest decrease, \$3.8 billion or 6.7 percent to \$53.2 billion.

Shipments of manufactured nondurable goods, up four of the last five months, increased \$3.0 billion or 1.6 percent to \$193.8 billion. This was at the highest level since the series began and was led by chemical products, which increased \$1.5 billion or 3.0 percent to \$50.0 billion.

### Unfilled Orders

Unfilled orders for manufactured durable goods in July, up fourteen of the last fifteen months, increased \$8.2 billion or 1.3 percent to \$630.2 billion, revised from the previously published 1.4 percent increase. This was at the highest level since the series began and followed a 1.7 percent June increase.

Transportation equipment, up fourteen of the last fifteen months, had the largest increase, \$3.0 billion or 0.9 percent to \$329.5 billion.

### Inventories

Inventories of manufactured durable goods in July, up six of the last seven months, increased \$2.8 billion or 1.0 percent to \$286.1 billion, unchanged from the previously published increase. This followed a 0.9 percent June increase.

Transportation equipment, up five consecutive months, had the largest increase, \$0.8 billion or 1.2 percent to \$67.2 billion.

Inventories of manufactured nondurable goods, up seven of the last eight months, increased \$0.2 billion or 0.1 percent to \$186.9 billion. This was at the highest level since the series began and was due to plastics and rubber products, which increased \$0.2 billion or 1.2 percent to \$19.3 billion.

By stage of fabrication, July materials and supplies increased 1.0 percent in durable goods and 0.1 percent in nondurable goods. Work in process increased 1.0 percent in durable goods and decreased 0.8 percent in nondurable goods. Finished goods increased 1.0 percent in durable goods and 0.4 percent in nondurable goods.

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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. For data, call (301) 763-4673 or go to <http://www.census.gov/m3>.

The advance report on durable goods for August is scheduled for release on September 27, 2006, at 8:30 a.m. EDT and the full report on October 4, 2006, at 10:00 a.m. EDT. See back page for survey description.

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		
	July 2006 <sup>p</sup>	June 2006 <sup>r</sup>	May 2006	June - July	May - June	Apr. - May	July 2006 <sup>p</sup>	June 2006 <sup>r</sup>	May 2006	July 2005	2006 <sup>p</sup>	2005	Percent 2006/2005
All manufacturing industries .....	403,949	403,835	404,199	0.0	-0.1	2.5	372,307	430,567	416,851	345,443	2,760,842	2,579,334	7.0
Excluding transportation .....	350,733	346,792	346,589	1.1	0.1	2.0	333,955	366,581	355,880	306,633	2,374,613	2,206,280	7.6
Excluding defense .....	394,662	394,392	394,748	0.1	-0.1	2.5	363,766	420,313	407,580	337,434	2,697,036	2,519,095	7.1
With unfilled orders .....	147,120	147,049	146,256	0.0	0.5	2.6	130,183	161,234	149,300	116,633	999,819	914,477	9.3
Durable goods industries .....	210,150	212,998	212,676	-1.3	0.2	3.0	183,087	233,706	218,232	169,094	1,451,805	1,347,496	7.7
Wood products.....	8,006	8,354	8,406	-4.2	-0.6	0.4	7,909	9,198	8,862	8,631	59,600	59,908	-0.5
Nonmetallic mineral products.....	10,124	10,130	10,143	-0.1	-0.1	2.1	9,935	10,866	10,692	9,266	70,123	63,364	10.7
Primary metals.....	19,972	19,532	19,102	2.3	2.3	7.8	18,164	20,448	20,016	14,031	130,192	113,376	14.8
Iron and steel mills.....	9,218	8,982	8,732	2.6	2.9	4.9	8,426	9,411	9,165	6,721	61,119	57,645	6.0
Aluminum and nonferrous metals.....	9,057	8,869	8,721	2.1	1.7	12.5	8,252	9,232	9,100	5,930	57,449	44,852	28.1
Ferrous metal foundries.....	1,697	1,681	1,649	1.0	1.9	1.2	1,486	1,805	1,751	1,380	11,624	10,879	6.8
Fabricated metal products.....	24,660	24,888	24,744	-0.9	0.6	1.4	23,125	26,544	25,784	21,237	170,819	157,642	8.4
Machinery.....	27,673	27,429	26,934	0.9	1.8	1.3	25,911	30,083	27,868	22,681	189,262	169,498	11.7
Farm machinery.....	1,615	1,533	1,503	5.3	2.0	-5.4	1,669	1,568	1,658	1,548	11,818	11,754	0.5
Construction machinery.....	3,077	3,078	3,115	0.0	-1.2	9.3	2,787	3,429	3,552	2,378	21,940	18,511	18.5
Mining, oil field, and gas field machinery.....	1,120	1,144	1,089	-2.1	5.1	3.8	1,091	1,223	1,064	850	7,501	6,212	20.8
Industrial machinery.....	3,305	2,824	2,624	17.0	7.6	-20.3	3,376	3,137	2,385	2,481	19,646	17,889	9.8
Photographic equipment.....	640	629	648	1.7	-2.9	-0.8	599	710	643	579	4,285	4,023	6.5
Ventilation, heating, air-conditioning, and refrigeration equipment.....	3,576	3,508	3,430	1.9	2.3	4.1	3,469	4,263	3,562	2,820	23,478	20,047	17.1
Metalworking machinery.....	2,735	2,697	2,848	1.4	-5.3	2.9	2,402	2,960	2,703	2,290	19,105	16,444	16.2
Turbines, generators, and other power transmission equipment.....	3,269	3,658	3,333	-10.6	9.8	7.3	2,891	3,835	3,536	2,709	23,433	21,456	9.2
Material handling equipment.....	2,204	2,200	2,183	0.2	0.8	6.7	1,962	2,380	2,180	1,737	14,784	12,641	17.0
Computers and electronic products.....	35,617	34,949	35,099	1.9	-0.4	1.6	31,497	40,084	33,250	28,393	238,425	218,142	9.3
Computers.....	5,040	4,179	4,443	20.6	-5.9	-8.1	5,329	4,789	3,810	4,816	32,672	31,510	3.7
Computer storage devices.....	597	679	623	-12.1	9.0	23.1	350	1,126	473	291	4,066	3,709	9.6
Other peripheral equipment.....	1,202	1,161	1,200	3.5	-3.3	0.5	921	1,496	1,086	895	7,851	8,166	-3.9
Nondefense communications equipment.....	4,853	5,513	5,365	-12.0	2.8	-6.1	3,975	6,527	5,151	3,915	36,045	31,010	16.2
Defense communications equipment.....	499	559	503	-10.7	11.1	-23.3	422	560	514	349	3,528	2,749	28.3
Audio and video equipment.....	914	919	885	-0.5	3.8	2.8	782	844	754	706	5,725	5,943	-3.7
Semiconductors.....	7,003	6,635	7,035	5.5	-5.7	16.1	6,218	7,150	6,838	5,638	47,086	42,365	11.1
Electronic components.....	5,106	5,118	4,834	-0.2	5.9	4.2	4,576	5,598	4,823	3,652	32,695	28,621	14.2
Nondefense search and navigation equipment.....	987	890	957	10.9	-7.0	3.1	898	975	986	813	6,499	6,342	2.5
Defense search and navigation equipment.....	2,897	2,841	2,868	2.0	-0.9	1.3	2,805	3,004	2,934	2,519	19,371	17,657	9.7
Electromedical, measuring, and control instruments.....	5,960	5,856	5,830	1.8	0.4	0.8	4,712	7,422	5,377	4,227	39,147	35,861	9.2
Electrical equipment, appliances, and components.....	10,324	10,238	10,410	0.8	-1.7	3.4	9,397	10,978	10,575	8,526	69,195	62,404	10.9
Electric lighting equipment.....	1,120	1,081	1,058	3.6	2.2	0.7	973	1,124	1,056	842	7,220	6,855	5.3
Household appliances.....	2,094	2,139	2,136	-2.1	0.1	-0.9	1,890	2,361	2,176	1,902	14,269	13,645	4.6
Electrical equipment.....	3,268	3,205	3,269	2.0	-2.0	1.6	3,007	3,487	3,336	2,703	22,208	19,646	13.0
Batteries.....	572	524	558	9.2	-6.1	4.7	477	550	535	428	3,523	3,283	7.3
Transportation equipment.....	53,216	57,043	57,610	-6.7	-1.0	5.3	38,352	63,986	60,971	38,810	386,229	373,054	3.5
Automobiles.....	6,555	7,205	7,219	-9.0	-0.2	2.5	3,923	7,985	7,827	4,459	48,311	47,789	1.1
Light trucks and utility vehicles.....	9,694	12,599	12,647	-23.1	-0.4	6.7	5,549	14,333	13,496	6,929	81,973	81,228	0.9
Heavy duty trucks.....	2,244	1,961	2,216	14.4	-11.5	7.0	2,100	2,194	2,366	1,738	15,134	13,530	11.9
Motor vehicle bodies, parts, and trailers.....	18,906	18,694	18,710	1.1	-0.1	3.1	13,556	20,312	20,402	13,236	129,198	130,896	-1.3
Nondefense aircraft and parts.....	7,389	7,986	7,947	-7.5	0.5	20.7	5,803	9,671	8,153	4,997	52,383	40,065	30.7
Defense aircraft and parts.....	3,380	3,231	3,515	4.6	-8.1	3.1	3,025	3,727	3,254	2,722	22,808	22,155	2.9
Ships and boats.....	1,895	2,129	1,934	-11.0	10.1	-1.5	1,614	2,260	2,074	1,724	13,537	15,397	-12.1
Furniture and related products.....	7,547	7,710	7,718	-2.1	-0.1	-0.4	7,209	7,769	7,652	7,046	52,866	49,502	6.8
Miscellaneous durable goods.....	13,011	12,725	12,510	2.2	1.7	1.3	11,588	13,750	12,562	10,473	85,094	80,606	5.6
Nondurable goods industries.....	193,799	190,837	191,523	1.6	-0.4	1.9	189,220	196,861	198,619	176,349	1,309,037	1,231,838	6.3
Food products.....	44,355	44,041	44,184	0.7	-0.3	0.1	42,039	44,407	44,355	42,271	303,891	303,424	0.2
Grain and oilseed milling.....	4,233	4,166	4,222	1.6	-1.3	-0.3	4,102	4,047	4,310	4,101	29,150	29,624	-1.6
Dairy products.....	6,041	5,957	5,922	1.4	0.6	1.3	5,837	6,059	6,093	6,051	41,480	42,892	-3.3
Meat, poultry, and seafood products.....	13,916	13,894	13,819	0.2	0.5	-0.2	13,586	14,503	14,111	14,103	96,785	99,203	-2.4
Beverage and tobacco products.....	10,002	10,209	10,269	-2.0	-0.6	5.4	10,227	10,830	11,024	9,903	69,115	65,585	5.4
Beverages.....	6,444	6,475	6,515	-0.5	-0.6	1.5	6,669	7,096	7,270	6,678	44,983	42,776	5.2
Tobacco.....	3,558	3,734	3,754	-4.7	-0.5	13.1	3,558	3,734	3,754	3,225	24,132	22,809	5.8
Textile mills.....	2,855	2,815	2,806	1.4	0.3	0.1	2,622	2,995	2,845	2,798	19,742	21,924	-10.0
Textile products.....	2,928	2,923	2,957	0.2	-1.1	1.4	2,932	3,081	2,938	2,864	20,381	19,714	3.4
Apparel.....	2,954	2,987	3,122	-1.1	-4.3	1.3	2,944	3,005	3,039	2,830	20,502	18,806	9.0
Leather and allied products.....	496	485	464	2.3	4.5	3.1	494	507	437	434	3,236	3,307	-2.1
Paper products.....	13,882	13,834	13,931	0.3	-0.7	1.3	13,587	14,539	14,457	12,749	96,231	93,065	3.4
Pulp, paper, and paperboard mills.....	6,234	6,261	6,241	-0.4	0.3	1.3	6,182	6,450	6,369	5,859	43,197	41,925	3.0
Paperboard containers.....	3,955	3,913	3,971	1.1	-1.5	4.1	3,861	4,155	4,163	3,554	26,985	26,003	3.8
Printing.....	7,715	7,707	7,640	0.1	0.9	1.8	7,233	7,723	7,567	6,969	51,361	51,573	-0.4
Petroleum and coal products.....	41,253	39,846	39,504	3.5	0.9	3.5	43,016	41,332	42,408	35,866	264,885	220,334	20.2
Petroleum refineries.....	38,400	37,074	36,772	3.6	0.8	3.2	39,876	38,068	39,373	33,439	246,380	205,262	20.0
Chemical products.....	50,031	48,559	49,421	3.0	-1.7	1.5	47,891	49,894	51,217	44,313	339,719	321,312	5.7
Pesticides, fertilizers, and other agricultural chemicals.....	2,389	2,138	2,132	11.7	0.3	-3.2	2,032	2,513	3,124	2,016	17,827	18,147	-1.8
Pharmaceuticals and medicines.....	13,712	13,108	13,839	4.6	-5.3	4.3	12,826	12,615	13,796	11,366	88,757	84,657	4.8
Paints, coatings, and adhesives.....	2,659	2,736	2,791	-2.8	-2.0	3.2	2,735	3,078	3,092	2,700	19,515	18,863	3.5
Plastics and rubber products.....	17,328	17,431	17,225	-0.6	1.2	2.8	16,235	18,548	18,332	15,352	119,974	112,794	6.4

<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		
	July 2006 <sup>p</sup>	June 2006 <sup>f</sup>	May 2006	June - July	May - June	Apr. - May	July 2006 <sup>p</sup>	June 2006 <sup>f</sup>	May 2006	July 2005	2006 <sup>p</sup>	2005	Percent 2006/2005
All manufacturing industries <sup>2</sup> .....	405,104	407,504	401,362	-0.6	1.5	1.0	372,566	429,873	411,759	342,084	2,771,427	2,570,443	7.8
Excluding transportation <sup>2</sup> .....	348,861	344,949	342,919	1.1	0.6	1.7	332,281	360,790	351,759	301,026	2,357,545	2,179,868	8.2
Excluding defense <sup>2</sup> .....	394,805	395,532	393,238	-0.2	0.6	1.1	364,873	417,653	405,615	336,797	2,707,178	2,517,340	7.5
With unfilled orders <sup>2</sup> .....	155,278	157,353	150,454	-1.3	4.6	-0.6	136,660	167,690	151,046	118,912	1,057,490	947,951	11.6
Durable goods industries <sup>2</sup> .....	211,305	216,667	209,839	-2.5	3.3	0.3	183,346	233,012	213,140	165,735	1,462,390	1,338,605	9.2
Primary metals.....	20,058	19,725	19,700	1.7	0.1	6.2	18,167	20,164	20,353	14,055	132,179	111,712	18.3
Iron and steel mills.....	9,153	9,127	9,117	0.3	0.1	0.7	8,354	9,204	9,328	6,779	62,160	55,417	12.2
Aluminum and nonferrous metals.....	9,152	8,854	8,917	3.4	-0.7	14.1	8,283	9,140	9,286	5,871	58,056	45,283	28.2
Ferrous metal foundries.....	1,753	1,744	1,666	0.5	4.7	-0.7	1,530	1,820	1,739	1,405	11,963	11,012	8.6
Fabricated metal products.....	25,078	26,639	25,296	-5.9	5.3	-0.2	23,550	27,511	27,150	21,507	177,587	162,895	9.0
Machinery.....	29,181	28,737	28,621	1.5	0.4	4.3	26,878	29,867	29,110	22,483	198,166	174,627	13.5
Construction machinery.....	3,265	3,483	3,434	-6.3	1.4	15.9	2,545	3,498	3,723	2,118	22,368	19,834	12.8
Mining, oil field, and gas field machinery.....	1,442	1,231	1,219	17.1	1.0	11.8	1,409	1,199	1,286	920	8,632	6,791	27.1
Industrial machinery.....	3,246	3,028	2,659	7.2	13.9	-21.2	3,523	3,103	2,334	2,701	22,020	17,711	24.3
Photographic equipment.....	617	647	664	-4.6	-2.6	6.8	604	693	641	601	4,399	4,183	5.2
Ventilation, heating, air-conditioning, and refrigeration equipment.....	3,900	3,720	3,738	4.8	-0.5	12.1	3,820	4,111	3,949	2,804	24,927	20,501	21.6
Metalworking machinery.....	2,929	2,871	2,899	2.0	-1.0	2.5	2,625	3,037	2,755	2,360	19,773	17,672	11.9
Turbines, generators, and other power transmission equipment.....	3,540	3,857	3,891	-8.2	-0.9	14.6	3,128	4,034	3,980	2,784	25,216	21,853	15.4
Material handling equipment.....	2,434	2,260	2,345	7.7	-3.6	1.7	1,893	2,386	2,182	1,191	15,664	13,470	16.3
Computers and electronic products <sup>2</sup> .....	31,217	29,479	27,881	5.9	5.7	-1.9	27,483	33,783	25,297	22,371	198,854	181,434	9.6
Computers.....	5,171	4,288	4,409	20.6	-2.7	-6.7	5,460	4,898	3,776	4,526	32,410	30,926	4.8
Nondefense communications equipment.....	4,874	5,911	5,314	-17.5	11.2	9.7	3,860	6,573	4,948	4,004	37,585	33,244	13.1
Defense communications equipment.....	1,015	669	410	51.7	63.2	-13.3	939	738	292	438	3,859	3,331	15.9
Semiconductors <sup>2</sup> .....	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Electronic components.....	5,245	5,165	4,887	1.5	5.7	6.2	4,737	5,682	4,834	3,526	33,162	28,530	16.2
Nondefense search and navigation equipment.....	1,850	885	892	109.0	-0.8	-17.3	1,729	911	868	823	8,191	6,685	22.5
Defense search and navigation equipment.....	3,850	3,045	2,865	26.4	6.3	-15.1	3,338	3,244	2,413	1,935	21,695	18,668	16.2
Electromedical, measuring, and control instruments.....	5,940	6,158	5,840	-3.5	5.4	-6.0	4,858	7,678	5,349	4,655	40,570	38,023	6.7
Electrical equipment, appliances, and components.....	10,641	10,817	11,062	-1.6	-2.2	2.6	9,984	11,280	11,275	8,759	73,498	63,948	14.9
Electric lighting equipment.....	1,001	1,110	1,245	-9.8	-10.8	7.1	834	1,227	1,304	820	7,803	7,129	9.5
Household appliances.....	2,376	2,046	2,154	16.1	-5.0	-1.8	2,231	2,182	2,206	2,004	14,669	13,730	6.8
Electrical equipment.....	3,508	4,024	3,377	-12.8	19.2	-3.0	3,372	4,108	3,491	2,996	24,462	20,775	17.7
Transportation equipment.....	56,243	62,555	58,443	-10.1	7.0	-2.8	40,285	69,083	60,000	41,058	413,882	390,575	6.0
Motor vehicle bodies, parts, and trailers.....	19,356	18,938	18,745	2.2	1.0	-0.1	14,469	20,136	19,955	13,783	131,330	131,136	0.1
Nondefense aircraft and parts.....	10,086	11,282	10,523	-10.6	7.2	-19.5	8,363	13,592	10,573	8,883	80,214	61,182	31.1
Defense aircraft and parts.....	3,066	2,999	2,751	2.2	9.0	23.1	2,102	3,235	2,118	1,585	21,939	16,604	32.1
Ships and boats.....	1,701	3,919	1,780	-56.6	120.2	5.6	1,057	3,866	1,621	1,230	16,084	12,340	30.3
Furniture and related products.....	7,560	7,534	7,676	0.3	-1.8	-1.5	7,381	7,538	7,738	6,989	53,402	49,899	7.0
Nondurable goods industries.....	193,799	190,837	191,523	1.6	-0.4	1.9	189,220	196,861	198,619	176,349	1,309,037	1,231,838	6.3

<sup>p</sup> Preliminary<sup>f</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: M3-3(05), "Manufacturers' Shipments, Inventories, and Orders: 1992-2005."

**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 July 06/05
	July 2006 <sup>P</sup>	June 2006 <sup>r</sup>	May 2006	June - July	May - June	Apr. - May	July 2006 <sup>P</sup>	June 2006 <sup>r</sup>	May 2006	July 2005	
All manufacturing industries <sup>1</sup> .....	630,198	622,040	611,736	1.3	1.7	0.7	630,099	623,622	617,166	524,711	20.1
Excluding transportation <sup>1</sup> .....	300,685	295,554	290,762	1.7	1.6	1.2	301,306	296,762	295,403	259,343	16.2
Excluding defense <sup>1</sup> .....	488,669	481,523	473,748	1.5	1.6	1.2	489,111	481,786	477,296	382,502	27.9
Durable goods industries <sup>1</sup> .....	630,198	622,040	611,736	1.3	1.7	0.7	630,099	623,622	617,166	524,711	20.1
Primary metals.....	27,494	27,408	27,215	0.3	0.7	2.2	27,261	27,258	27,542	20,118	35.5
Iron and steel mills.....	17,413	17,478	17,333	-0.4	0.8	2.3	17,166	17,238	17,445	11,443	50.0
Aluminum and nonferrous metals.....	6,937	6,842	6,857	1.4	-0.2	2.9	6,969	6,938	7,030	5,830	19.5
Ferrous metal foundries.....	3,144	3,088	3,025	1.8	2.1	0.6	3,126	3,082	3,067	2,845	9.9
Fabricated metal products.....	53,029	52,611	50,860	0.8	3.4	1.1	53,873	53,448	52,481	45,976	17.2
Machinery.....	71,107	69,599	68,291	2.2	1.9	2.5	70,609	69,642	69,858	57,194	23.5
Construction machinery.....	8,364	8,176	7,771	2.3	5.2	4.3	8,004	8,246	8,177	6,190	29.3
Mining, oil field, and gas field machinery.....	3,439	3,117	3,030	10.3	2.9	4.5	3,465	3,147	3,171	2,073	67.1
Industrial machinery.....	11,063	11,122	10,918	-0.5	1.9	0.3	11,218	11,071	11,105	9,384	19.5
Photographic equipment.....	1,396	1,419	1,401	-1.6	1.3	1.2	1,408	1,403	1,420	1,039	35.5
Ventilation, heating, air-conditioning, and refrigeration equipment.....	8,456	8,132	7,920	4.0	2.7	4.0	8,488	8,137	8,289	5,323	59.5
Metalworking machinery.....	6,785	6,591	6,417	2.9	2.7	0.8	6,873	6,650	6,573	6,564	4.7
Turbines, generators, and other power transmission equipment.....	11,745	11,474	11,275	2.4	1.8	5.2	11,717	11,480	11,281	9,419	24.4
Material handling equipment.....	8,915	8,685	8,625	2.6	0.7	1.9	8,734	8,803	8,797	6,901	26.6
Computers and electronic products <sup>1</sup> .....	115,052	112,449	111,284	2.3	1.0	-0.2	115,090	112,886	112,037	106,977	7.6
Computers.....	4,440	4,309	4,200	3.0	2.6	-0.8	4,440	4,309	4,200	4,350	2.1
Nondefense communications equipment.....	27,898	27,877	27,479	0.1	1.4	-0.2	28,059	28,174	28,128	27,860	0.7
Defense communications equipment.....	6,853	6,337	6,227	8.1	1.8	-1.5	6,824	6,307	6,129	6,659	2.5
Semiconductors <sup>1</sup> .....	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Electronic components.....	11,801	11,662	11,615	1.2	0.4	0.5	11,777	11,616	11,532	11,061	6.5
Nondefense search and navigation equipment.....	6,088	5,225	5,230	16.5	-0.1	-1.2	6,065	5,234	5,298	4,155	46.0
Defense search and navigation equipment.....	37,135	36,182	35,978	2.6	0.6	0.0	36,971	36,438	36,198	34,614	6.8
Electromedical, measuring, and control instruments.....	20,837	20,857	20,555	-0.1	1.5	0.0	20,954	20,808	20,552	18,278	14.6
Electrical equipment, appliances, and components.....	21,898	21,581	21,002	1.5	2.8	3.2	22,137	21,550	21,248	16,523	34.0
Electric lighting equipment.....	2,460	2,579	2,550	-4.6	1.1	7.9	2,556	2,695	2,592	1,964	30.1
Household appliances.....	1,007	725	818	38.9	-11.4	2.3	982	641	820	663	48.1
Electrical equipment.....	12,628	12,388	11,569	1.9	7.1	0.9	12,729	12,364	11,743	9,804	29.8
Transportation equipment.....	329,513	326,486	320,974	0.9	1.7	0.3	328,793	326,860	321,763	265,368	23.9
Motor vehicle bodies, parts, and trailers.....	19,186	18,736	18,492	2.4	1.3	0.2	19,224	18,311	18,487	15,700	22.4
Nondefense aircraft and parts.....	195,673	192,976	189,680	1.4	1.7	1.4	195,265	192,705	188,784	129,391	50.9
Defense aircraft and parts.....	44,463	44,777	45,009	-0.7	-0.5	-1.7	44,639	45,562	46,054	43,279	3.1
Ships and boats.....	15,842	16,036	14,246	-1.2	12.6	-1.1	15,409	15,966	14,360	14,972	2.9
Furniture and related products.....	7,345	7,332	7,508	0.2	-2.3	-0.6	7,576	7,404	7,635	7,064	7.2

<sup>P</sup> Preliminary      <sup>r</sup> Revised      NA Not available.<sup>1</sup> Data on unfilled orders are not available for the semiconductor industry. Estimates and percent changes for unfilled orders exclude semiconductor industry data.  
See note at end of Table 2 relating to survey error and revision.

**Table 4. Value of Manufacturers' Inventories for Industry Groups****[Millions of Dollars]**

Industry	Seasonally Adjusted						Not Seasonally Adjusted				
	Monthly			Percent Change			Monthly				Percent Change July 06/05
	July 2006 <sup>P</sup>	June 2006 <sup>r</sup>	May 2006	June - July	May - June	Apr. - May	July 2006 <sup>P</sup>	June 2006 <sup>r</sup>	May 2006	July 2005	
All manufacturing industries .....	473,038	470,001	465,617	0.6	0.9	0.7	476,584	467,923	469,533	450,132	5.9
Excluding transportation .....	405,803	403,572	400,039	0.6	0.9	0.7	408,460	402,280	403,508	384,904	6.1
Excluding defense .....	453,946	451,209	446,435	0.6	1.1	0.7	457,323	449,019	450,344	430,698	6.2
With unfilled orders .....	222,420	220,283	218,490	1.0	0.8	0.8	224,550	219,379	220,618	211,772	6.0
Durable goods industries .....	286,120	283,293	280,856	1.0	0.9	0.7	288,877	282,122	283,672	273,305	5.7
Wood products.....	11,631	11,684	11,576	-0.5	0.9	1.5	11,411	11,487	11,515	11,476	-0.6
Nonmetallic mineral products.....	10,866	10,743	10,639	1.1	1.0	0.1	11,024	10,856	10,884	10,339	6.6
Primary metals.....	27,862	27,475	27,185	1.4	1.1	2.7	28,073	27,379	27,255	25,832	8.7
Iron and steel mills.....	15,315	15,055	14,822	1.7	1.6	0.8	15,517	14,964	14,764	15,032	3.2
Aluminum and nonferrous metals.....	10,439	10,321	10,263	1.1	0.6	5.8	10,451	10,274	10,313	8,637	21.0
Ferrous metal foundries.....	2,108	2,099	2,100	0.4	0.0	1.3	2,105	2,141	2,178	2,163	-2.7
Fabricated metal products.....	36,336	36,040	35,519	0.8	1.5	0.6	36,762	36,292	36,094	34,895	5.4
Machinery.....	45,075	44,860	44,906	0.5	-0.1	0.8	45,128	44,626	45,289	43,186	4.5
Farm machinery.....	2,165	2,179	2,168	-0.6	0.5	1.3	2,102	2,177	2,177	2,292	-8.3
Construction machinery.....	4,135	4,113	4,072	0.5	1.0	2.6	4,093	4,124	4,105	3,537	15.7
Mining, oil field, and gas field machinery.....	2,867	2,788	2,751	2.8	1.3	1.5	2,923	2,843	2,840	2,452	19.2
Industrial machinery.....	6,896	6,983	6,842	-1.2	2.1	1.5	6,934	7,058	6,996	6,739	2.9
Photographic equipment.....	1,425	1,351	1,415	5.5	-4.5	0.1	1,424	1,350	1,461	1,394	2.2
Ventilation, heating, air-conditioning, and refrigeration equipment.....	3,987	3,894	3,955	2.4	-1.5	1.5	4,000	3,869	4,083	3,762	6.3
Metalworking machinery.....	4,154	4,188	4,223	-0.8	-0.8	-1.5	4,204	4,123	4,225	4,449	-5.5
Turbines, generators, and other power transmission equipment.....	5,028	4,965	4,984	1.3	-0.4	1.9	5,034	4,833	4,915	4,463	12.8
Material handling equipment.....	2,830	2,849	2,888	-0.7	-1.4	0.9	2,782	2,851	2,901	2,768	0.5
Computers and electronic products .....	45,185	44,627	44,451	1.3	0.4	0.0	45,974	44,198	44,921	42,338	8.6
Computers.....	1,170	1,149	1,096	1.8	4.8	0.1	1,165	1,154	1,113	1,158	0.6
Computer storage devices.....	1,019	1,035	1,006	-1.5	2.9	0.3	1,061	978	1,070	1,096	-3.2
Other peripheral equipment.....	1,982	1,995	1,975	-0.7	1.0	-1.4	2,030	1,949	2,025	2,179	-6.8
Nondefense communications equipment.....	8,969	8,993	9,091	-0.3	-1.1	-4.2	9,003	8,626	9,143	8,904	1.1
Defense communications equipment.....	966	903	1,087	7.0	-16.9	-1.6	967	895	1,110	996	-2.9
Audio and video equipment.....	919	880	895	4.4	-1.7	3.1	951	835	842	890	6.9
Semiconductors <sup>1</sup> .....	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Electronic components.....	6,818	6,777	6,613	0.6	2.5	1.1	6,955	6,771	6,680	6,147	13.1
Nondefense search and navigation equipment.....	2,886	2,822	2,762	2.3	2.2	2.1	2,928	2,832	2,786	2,610	12.2
Defense search and navigation equipment.....	2,525	2,501	2,649	1.0	-5.6	-1.3	2,577	2,528	2,675	2,507	2.8
Electromedical, measuring and control instruments.....	9,806	9,676	9,718	1.3	-0.4	1.5	9,869	9,573	9,848	9,478	4.1
Electrical equipment, appliances, and components.....	13,772	13,602	13,325	1.2	2.1	0.2	13,818	13,641	13,701	12,504	10.5
Electric lighting equipment.....	1,667	1,666	1,673	0.1	-0.4	0.3	1,702	1,700	1,722	1,538	10.7
Household appliances.....	2,142	2,143	2,081	0.0	3.0	2.5	2,170	2,154	2,210	1,972	10.0
Electrical equipment.....	4,739	4,643	4,515	2.1	2.8	2.1	4,706	4,598	4,596	3,967	18.6
Batteries.....	565	569	570	-0.7	-0.2	-1.2	570	575	592	518	10.0
Transportation equipment.....	67,235	66,429	65,578	1.2	1.3	0.7	68,124	65,643	66,025	65,228	4.4
Automobiles.....	2,284	2,035	2,142	12.2	-5.0	-8.1	2,426	2,010	2,209	2,229	8.8
Light trucks and utility vehicles.....	3,145	3,228	3,160	-2.6	2.2	5.3	3,205	3,133	3,235	3,091	3.7
Heavy duty trucks.....	1,349	1,393	1,236	-3.2	12.7	-1.5	1,341	1,376	1,244	1,306	2.7
Motor vehicle bodies, parts, and trailers.....	17,174	17,059	17,087	0.7	-0.2	0.4	17,313	16,940	17,144	17,261	0.3
Nondefense aircraft and parts.....	23,772	23,490	22,724	1.2	3.4	0.1	24,124	22,993	22,963	21,668	11.3
Defense aircraft and parts.....	11,834	11,714	11,719	1.0	0.0	2.0	11,970	11,798	11,712	11,629	2.9
Ships and boats.....	2,870	2,820	2,833	1.8	-0.5	0.6	2,854	2,819	2,766	2,571	11.0
Furniture and related products.....	8,575	8,567	8,488	0.1	0.9	0.1	8,811	8,813	8,635	8,303	6.1
Miscellaneous durable goods.....	19,583	19,266	19,189	1.6	0.4	0.3	19,752	19,187	19,353	19,204	2.9
Nondurable goods industries.....	186,918	186,708	184,761	0.1	1.1	0.7	187,707	185,801	185,861	176,827	6.2
Food products.....	33,185	33,140	32,910	0.1	0.7	0.3	32,548	32,044	31,846	31,671	2.8
Grain and oilseed milling.....	4,240	4,176	3,987	1.5	4.7	4.7	4,010	3,942	3,732	3,423	17.1
Dairy products.....	3,623	3,653	3,702	-0.8	-1.3	-0.6	3,761	3,794	3,871	4,078	-7.8
Meat, poultry, and seafood products.....	5,905	5,910	5,853	-0.1	1.0	0.2	5,856	5,840	5,857	5,635	3.9
Beverage and tobacco products.....	15,376	15,354	15,453	0.1	-0.6	-1.0	14,759	14,851	15,107	14,685	0.5
Beverages.....	10,926	10,857	10,968	0.6	-1.0	-1.3	10,580	10,552	10,799	10,263	3.1
Tobacco.....	4,450	4,497	4,485	-1.0	0.3	-0.3	4,179	4,299	4,308	4,422	-5.5
Textile mills.....	3,513	3,522	3,466	-0.3	1.6	-0.8	3,559	3,558	3,575	3,691	-3.6
Textile products.....	3,126	3,103	3,020	0.7	2.7	-0.6	3,151	3,153	3,098	3,054	3.2
Apparel.....	4,388	4,412	4,431	-0.5	-0.4	-1.8	4,568	4,558	4,531	4,829	-5.4
Leather and allied products.....	729	733	719	-0.5	1.9	4.5	748	747	721	799	-6.4
Paper products.....	14,386	14,456	14,547	-0.5	-0.6	-0.1	14,505	14,449	14,729	14,700	-1.3
Pulp, paper, and paperboard mills.....	6,521	6,458	6,494	1.0	-0.6	-0.5	6,621	6,435	6,619	6,709	-1.3
Paperboard containers.....	3,897	3,989	4,017	-2.3	-0.7	0.2	3,917	3,996	4,029	3,997	-2.0
Printing.....	6,029	6,034	5,998	-0.1	0.6	-0.4	6,333	6,050	5,863	6,317	0.3
Petroleum and coal products.....	30,026	30,020	29,226	0.0	2.7	4.7	31,105	30,460	30,552	25,156	23.6
Petroleum refineries.....	27,668	27,682	26,941	-0.1	2.8	5.0	28,582	27,979	28,116	22,979	24.4
Chemical products.....	56,863	56,862	56,020	0.0	1.5	0.4	57,361	57,037	56,494	53,954	6.3
Pesticides, fertilizers, and other agricultural chemicals.....	2,573	2,575	2,554	-0.1	0.8	2.2	2,253	2,331	2,473	2,026	11.2
Pharmaceuticals and medicines.....	20,052	20,247	19,595	-1.0	3.3	1.0	20,575	20,654	19,784	18,952	8.6
Paints, coatings, and adhesives.....	2,847	2,850	2,848	-0.1	0.1	-0.4	2,892	2,920	2,907	2,851	1.4
Plastics and rubber products.....	19,297	19,072	18,971	1.2	0.5	0.0	19,070	18,894	19,324	17,971	6.1

<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> 2006/ 2005
	July 2006 <sup>p</sup>	June 2006 <sup>r</sup>	May 2006	June - July	May - June	Apr. - May	July 2006 <sup>p</sup>	June 2006 <sup>r</sup>	May 2006	July 2005	2006 <sup>p</sup>	2005	
<b>SHIPMENTS</b>													
All manufacturing industries .....	403,949	403,835	404,199	0.0	-0.1	2.5	372,307	430,567	416,851	345,443	2,760,842	2,579,334	7.0
Construction materials and supplies.....	42,776	43,159	43,196	-0.9	-0.1	1.9	41,545	47,408	45,471	39,154	298,565	277,578	7.6
Information technology.....	27,418	27,114	27,267	1.1	-0.6	-1.3	24,352	31,502	25,704	22,333	184,904	170,154	8.7
Computers and related products .....	6,839	6,019	6,266	13.6	-3.9	-4.1	6,600	7,411	5,369	6,002	44,589	43,385	2.8
Motor vehicle and parts.....	37,399	40,459	40,792	-7.6	-0.8	4.3	25,128	44,824	44,091	26,362	274,616	273,443	0.4
Capital goods.....	74,671	74,452	74,498	0.3	-0.1	1.7	67,490	83,625	74,177	60,313	509,960	458,353	11.3
Nondefense capital goods <sup>3</sup> .....	66,911	66,434	66,575	0.7	-0.2	2.1	60,270	75,139	66,301	53,527	456,289	407,166	12.1
Excluding aircraft.....	62,210	61,200	61,348	1.7	-0.2	0.0	56,834	68,682	60,785	51,247	422,830	387,092	9.2
Defense capital goods <sup>4</sup> .....	7,760	8,018	7,923	-3.2	1.2	-1.7	7,220	8,486	7,876	6,786	53,671	51,187	4.9
Consumer goods.....	156,710	158,076	158,862	-0.9	-0.5	2.3	146,184	163,541	164,218	138,370	1,071,021	1,009,842	6.1
Consumer durable goods.....	32,899	36,314	36,326	-9.4	0.0	3.3	24,104	39,582	37,944	25,270	242,663	236,170	2.7
Consumer nondurable goods.....	123,811	121,762	122,536	1.7	-0.6	2.1	122,080	123,959	126,274	113,100	828,358	773,672	7.1
<b>NEW ORDERS</b>													
All manufacturing industries <sup>5</sup> .....	405,104	407,504	401,362	-0.6	1.5	1.0	372,566	429,873	411,759	342,084	2,771,427	2,570,443	7.8
Construction materials and supplies.....	43,279	43,856	44,155	-1.3	-0.7	2.2	42,024	47,248	47,221	39,238	304,560	281,464	8.2
Information technology.....	29,773	28,074	27,386	6.1	2.5	-1.7	26,420	32,007	24,843	21,957	193,132	176,118	9.7
Computers and related products .....	6,970	6,128	6,232	13.7	-1.7	-3.0	6,731	7,520	5,335	5,712	44,327	42,801	3.6
Motor vehicle and parts.....	37,849	40,703	40,827	-7.0	-0.3	2.8	26,041	44,648	43,644	26,909	276,748	273,683	1.1
Capital goods.....	80,630	82,081	77,308	-1.8	6.2	-2.5	70,978	89,948	74,700	62,347	547,694	486,311	12.6
Nondefense capital goods <sup>3</sup> .....	71,913	71,652	70,435	0.4	1.7	-2.0	64,484	79,475	69,541	57,953	493,593	440,702	12.0
Excluding aircraft.....	64,549	63,523	62,931	1.6	0.9	1.3	58,706	69,222	61,830	51,489	438,444	397,651	10.3
Defense capital goods <sup>4</sup> .....	8,717	10,429	6,873	-16.4	51.7	-7.1	6,494	10,473	5,159	4,394	54,101	45,609	18.6
Consumer goods.....	157,064	157,840	158,951	-0.5	-0.7	2.3	146,821	163,064	164,279	138,707	1,071,336	1,009,508	6.1
Consumer durable goods.....	33,253	36,078	36,415	-7.8	-0.9	3.1	24,741	39,105	38,005	25,607	242,978	235,836	3.0
Consumer nondurable goods.....	123,811	121,762	122,536	1.7	-0.6	2.1	122,080	123,959	126,274	113,100	828,358	773,672	7.1
<b>UNFILLED ORDERS</b>													
All manufacturing industries <sup>5</sup> .....	630,198	622,040	611,736	1.3	1.7	0.7	630,099	623,622	617,166	524,711	(X)	(X)	20.1
Construction materials and supplies.....	44,612	44,109	43,412	1.1	1.6	2.3	45,369	44,890	45,050	37,131	(X)	(X)	22.2
Information technology.....	110,450	108,095	107,135	2.2	0.9	0.1	110,591	108,523	108,018	101,047	(X)	(X)	9.4
Computers and related products .....	4,440	4,309	4,200	3.0	2.6	-0.8	4,440	4,309	4,200	4,350	(X)	(X)	2.1
Motor vehicle and parts.....	19,186	18,736	18,492	2.4	1.3	0.2	19,224	18,311	18,487	15,700	(X)	(X)	22.4
Capital goods.....	453,454	447,495	439,866	1.3	1.7	0.6	452,429	448,941	442,618	375,828	(X)	(X)	20.4
Nondefense capital goods <sup>3</sup> .....	324,676	319,674	314,456	1.6	1.7	1.2	324,218	320,004	315,668	245,508	(X)	(X)	32.1
Excluding aircraft.....	154,590	152,251	149,928	1.5	1.5	1.1	154,820	152,948	152,408	135,581	(X)	(X)	14.2
Defense capital goods <sup>4</sup> .....	128,778	127,821	125,410	0.7	1.9	-0.8	128,211	128,937	126,950	130,320	(X)	(X)	-1.6
Consumer goods.....	8,991	8,637	8,873	4.1	-2.7	1.0	8,997	8,360	8,837	9,514	(X)	(X)	-5.4
Consumer durable goods.....	8,991	8,637	8,873	4.1	-2.7	1.0	8,997	8,360	8,837	9,514	(X)	(X)	-5.4
<b>TOTAL INVENTORIES</b>													
All manufacturing industries .....	473,038	470,001	465,617	0.6	0.9	0.7	476,584	467,923	469,533	450,132	(X)	(X)	5.9
Construction materials and supplies.....	54,841	54,533	53,956	0.6	1.1	0.9	55,353	54,802	54,830	52,744	(X)	(X)	4.9
Information technology.....	36,802	36,353	36,634	1.2	-0.8	-1.0	37,134	35,802	37,115	36,191	(X)	(X)	2.6
Computers and related products .....	4,171	4,179	4,077	-0.2	2.5	-0.6	4,256	4,081	4,208	4,433	(X)	(X)	-4.0
Motor vehicle and parts.....	23,952	23,715	23,625	1.0	0.4	0.1	24,285	23,459	23,832	23,887	(X)	(X)	1.7
Capital goods.....	125,267	124,088	123,069	1.0	0.8	0.0	126,124	122,991	124,188	119,855	(X)	(X)	5.2
Nondefense capital goods <sup>3</sup> .....	110,858	109,976	108,751	0.8	1.1	0.0	111,682	108,851	109,856	105,139	(X)	(X)	6.2
Excluding aircraft.....	92,698	92,022	91,455	0.7	0.6	0.0	93,260	91,385	92,517	89,112	(X)	(X)	4.7
Defense capital goods <sup>4</sup> .....	14,409	14,112	14,318	2.1	-1.4	0.0	14,442	14,140	14,332	14,716	(X)	(X)	-1.9
Consumer goods.....	143,051	142,795	141,186	0.2	1.1	1.0	143,988	141,888	141,798	135,438	(X)	(X)	6.3
Consumer durable goods.....	27,183	26,838	26,780	1.3	0.2	0.3	27,591	26,621	27,095	26,921	(X)	(X)	2.5
Consumer nondurable goods.....	115,868	115,957	114,406	-0.1	1.4	1.2	116,397	115,267	114,703	108,517	(X)	(X)	7.3

<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 July 06/05
	July 2006 <sup>P</sup>	June 2006 <sup>F</sup>	May 2006	June - July	May - June	Apr. - May	July 2006 <sup>P</sup>	June 2006 <sup>F</sup>	May 2006	July 2005	
<b><u>MATERIALS AND SUPPLIES</u></b>											
All manufacturing industries.....	163,276	162,235	161,758	0.6	0.3	1.3	164,060	161,321	161,938	155,318	5.6
Durable goods industries.....	98,086	97,106	96,474	1.0	0.7	0.8	98,870	96,181	96,186	93,859	5.3
Wood products.....	4,951	5,131	4,939	-3.5	3.9	-0.5	4,752	4,785	4,543	4,828	-1.6
Nonmetallic mineral products.....	4,104	4,068	4,034	0.9	0.8	0.2	4,161	4,082	4,037	3,747	11.0
Primary metals.....	10,007	9,850	9,765	1.6	0.9	3.3	10,134	9,853	9,620	9,355	8.3
Fabricated metal products.....	13,774	13,622	13,290	1.1	2.5	1.5	13,905	13,638	13,358	12,679	9.7
Machinery.....	16,276	16,038	16,098	1.5	-0.4	0.8	16,409	15,968	16,126	15,635	5.0
Computers and electronic products.....	16,001	15,736	15,491	1.7	1.6	0.1	16,064	15,587	15,563	14,376	11.7
Electrical equipment, appliances, and components.....	5,402	5,324	5,371	1.5	-0.9	0.0	5,385	5,281	5,416	5,111	5.4
Transportation equipment.....	17,551	17,293	17,347	1.5	-0.3	0.4	17,904	16,934	17,343	18,188	-1.6
Furniture and related products.....	3,508	3,517	3,552	-0.3	-1.0	-1.5	3,559	3,556	3,573	3,471	2.5
Miscellaneous products.....	6,512	6,527	6,587	-0.2	-0.9	1.6	6,597	6,497	6,607	6,469	2.0
Nondurable goods industries.....	65,190	65,129	65,284	0.1	-0.2	2.2	65,190	65,140	65,752	61,459	6.1
Food products.....	11,598	11,496	11,420	0.9	0.7	-0.2	11,338	11,253	11,220	11,265	0.6
Beverage and tobacco products.....	4,652	4,660	4,597	-0.2	1.4	0.5	4,450	4,554	4,527	4,770	-6.7
Textiles.....	1,045	1,048	1,023	-0.3	2.4	0.5	1,047	1,047	1,056	1,128	-7.2
Textile products.....	1,309	1,296	1,275	1.0	1.6	-0.9	1,332	1,318	1,305	1,228	8.5
Apparel.....	1,180	1,172	1,208	0.7	-3.0	0.9	1,186	1,176	1,236	1,251	-5.2
Leather and allied products.....	235	234	233	0.4	0.4	0.9	244	239	235	258	-5.4
Paper products.....	6,811	7,001	7,101	-2.7	-1.4	-0.1	6,857	7,017	7,108	6,995	-2.0
Printing.....	2,991	3,004	2,770	-0.4	8.4	0.0	3,100	3,089	2,897	2,788	11.2
Petroleum and coal products.....	10,019	10,448	11,008	-4.1	-5.1	13.6	10,263	10,568	11,557	7,840	30.9
Chemical products.....	17,533	16,998	16,974	3.1	0.1	-0.4	17,626	17,201	17,152	16,713	5.5
Plastics and rubber products.....	7,817	7,772	7,675	0.6	1.3	1.6	7,747	7,678	7,644	7,223	7.3
<b><u>WORK IN PROCESS</u></b>											
All manufacturing industries.....	130,321	129,610	127,240	0.5	1.9	0.1	131,448	128,355	127,975	121,696	8.0
Durable goods industries.....	100,646	99,686	98,749	1.0	0.9	0.9	101,734	99,000	99,702	93,744	8.5
Wood products.....	2,202	2,144	2,324	2.7	-7.7	11.3	2,200	2,151	2,341	2,070	6.3
Nonmetallic mineral products.....	1,227	1,232	1,209	-0.4	1.9	0.4	1,250	1,257	1,254	1,158	7.9
Primary metals.....	8,844	8,765	8,615	0.9	1.7	2.4	8,937	8,768	8,684	8,089	10.5
Fabricated metal products.....	10,616	10,526	10,398	0.9	1.2	0.5	10,737	10,591	10,551	9,810	9.4
Machinery.....	13,304	13,252	13,182	0.4	0.5	0.9	13,438	13,242	13,433	12,576	6.9
Computers and electronic products.....	20,377	20,234	20,222	0.7	0.1	0.9	20,882	20,116	20,492	19,238	8.5
Electrical equipment, appliances, and components.....	2,845	2,816	2,768	1.0	1.7	0.5	2,888	2,847	2,849	2,574	12.2
Transportation equipment.....	36,362	35,975	35,316	1.1	1.9	0.4	36,458	35,273	35,323	33,400	9.2
Furniture and related products.....	1,647	1,665	1,656	-1.1	0.5	3.8	1,671	1,683	1,666	1,611	3.7
Miscellaneous products.....	3,222	3,077	3,059	4.7	0.6	-2.0	3,273	3,072	3,109	3,218	1.7
Nondurable goods industries.....	29,675	29,924	28,491	-0.8	5.0	-2.8	29,714	29,355	28,273	27,952	6.3
Food products.....	2,274	2,387	2,232	-4.7	6.9	-1.1	2,040	2,159	2,046	1,982	2.9
Beverage and tobacco products.....	4,572	4,604	4,595	-0.7	0.2	-2.6	4,178	4,280	4,377	3,850	8.5
Textiles.....	921	917	926	0.4	-1.0	-3.3	929	914	938	1,006	-7.7
Textile products.....	455	445	442	2.2	0.7	-3.1	462	449	461	483	-4.3
Apparel.....	739	755	794	-2.1	-4.9	-2.6	747	769	818	839	-11.0
Leather and allied products.....	105	106	100	-0.9	6.0	2.0	107	102	101	106	0.9
Paper products.....	1,138	1,143	1,151	-0.4	-0.7	0.9	1,158	1,140	1,164	1,164	-0.5
Printing.....	1,422	1,420	1,605	0.1	-11.5	-1.9	1,572	1,355	1,348	1,887	-16.7
Petroleum and coal products.....	4,772	4,579	3,281	4.2	39.6	-15.3	5,005	4,491	3,328	4,149	20.6
Chemical products.....	11,164	11,489	11,272	-2.8	1.9	0.1	11,457	11,646	11,417	10,553	8.6
Plastics and rubber products.....	2,113	2,079	2,093	1.6	-0.7	-1.0	2,059	2,050	2,098	1,933	6.5
<b><u>FINISHED GOODS</u></b>											
All manufacturing industries.....	179,441	178,156	176,619	0.7	0.9	0.6	181,076	178,247	179,620	173,118	4.6
Durable goods industries.....	87,388	86,501	85,633	1.0	1.0	0.3	88,273	86,941	87,784	85,702	3.0
Wood products.....	4,478	4,409	4,313	1.6	2.2	-1.1	4,459	4,551	4,631	4,578	-2.6
Nonmetallic mineral products.....	5,535	5,443	5,396	1.7	0.9	-0.1	5,613	5,517	5,593	5,434	3.3
Primary metals.....	9,011	8,860	8,805	1.7	0.6	2.4	9,002	8,758	8,951	8,388	7.3
Fabricated metal products.....	11,946	11,892	11,831	0.5	0.5	-0.1	12,120	12,063	12,185	12,406	-2.3
Machinery.....	15,495	15,570	15,626	-0.5	-0.4	0.6	15,281	15,416	15,730	14,975	2.0
Computers and electronic products.....	8,807	8,657	8,738	1.7	-0.9	-2.1	9,028	8,495	8,866	8,724	3.5
Electrical equipment, appliances, and components.....	5,525	5,462	5,186	1.2	5.3	0.3	5,545	5,513	5,436	4,819	15.1
Transportation equipment.....	13,322	13,161	12,915	1.2	1.9	1.8	13,762	13,436	13,359	13,640	0.9
Furniture and related products.....	3,420	3,385	3,280	1.0	3.2	0.0	3,581	3,574	3,396	3,221	11.2
Miscellaneous products.....	9,849	9,662	9,543	1.9	1.2	0.1	9,882	9,618	9,637	9,517	3.8
Nondurable goods industries.....	92,053	91,655	90,986	0.4	0.7	0.9	92,803	91,306	91,836	87,416	6.2
Food products.....	19,313	19,257	19,258	0.3	0.0	0.7	19,170	18,632	18,580	18,424	4.0
Beverage and tobacco products.....	6,152	6,090	6,261	1.0	-2.7	-0.9	6,131	6,017	6,203	6,065	1.1
Textiles.....	1,547	1,557	1,517	-0.6	2.6	-0.1	1,583	1,597	1,581	1,557	1.7
Textile products.....	1,362	1,362	1,303	0.0	4.5	0.6	1,357	1,386	1,332	1,343	1.0
Apparel.....	2,469	2,485	2,429	-0.6	2.3	-2.8	2,635	2,613	2,477	2,739	-3.8
Leather and allied products.....	389	393	386	-1.0	1.8	7.5	397	406	385	435	-8.7
Paper products.....	6,437	6,312	6,295	2.0	0.3	-0.3	6,490	6,292	6,457	6,541	-0.8
Printing.....	1,616	1,610	1,623	0.4	-0.8	0.4	1,661	1,606	1,618	1,642	1.2
Petroleum and coal products.....	15,235	14,993	14,937	1.6	0.4	4.2	15,837	15,401	15,667	13,167	20.3
Chemical products.....	28,166	28,375	27,774	-0.7	2.2	1.0	28,278	28,190	27,925	26,688	6.0
Plastics and rubber products.....	9,367	9,221	9,203	1.6	0.2	-1.2	9,264	9,166	9,582	8,815	5.1

<sup>P</sup> Preliminary<sup>F</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>			
	Jul 2006 <sup>p</sup>	Jun 2006 <sup>r</sup>	May 2006	Apr 2006	Jul 2006 <sup>p</sup>	Jun 2006 <sup>r</sup>	May 2006	Apr 2006
All manufacturing industries <sup>2</sup> .....	1.17	1.16	1.15	1.17	(X)	(X)	(X)	(X)
Durable goods industries <sup>2</sup> .....	1.36	1.33	1.32	1.35	4.28	4.23	4.18	4.26
Wood products.....	1.45	1.40	1.38	1.36	(X)	(X)	(X)	(X)
Nonmetallic mineral products.....	1.07	1.06	1.05	1.07	(X)	(X)	(X)	(X)
Primary metals.....	1.40	1.41	1.42	1.49	1.38	1.40	1.42	1.50
Fabricated metal products.....	1.47	1.45	1.44	1.45	2.22	2.18	2.12	2.13
Machinery.....	1.63	1.64	1.67	1.68	2.80	2.75	2.76	2.74
Computers and electronic products <sup>2</sup> ..	1.27	1.28	1.27	1.29	4.54	4.51	4.49	4.39
Electrical equipment, appliances, and components.....	1.33	1.33	1.28	1.32	2.25	2.22	2.13	2.14
Transportation equipment.....	1.26	1.16	1.14	1.19	9.49	9.25	9.03	9.48
Furniture and related products.....	1.14	1.11	1.10	1.09	1.10	1.07	1.09	1.09
Miscellaneous products.....	1.51	1.51	1.53	1.55	(X)	(X)	(X)	(X)
Nondurable goods industries.....	0.96	0.98	0.96	0.98	(X)	(X)	(X)	(X)
Food products.....	0.75	0.75	0.74	0.74	(X)	(X)	(X)	(X)
Beverage and tobacco products.....	1.54	1.50	1.50	1.60	(X)	(X)	(X)	(X)
Textiles.....	1.23	1.25	1.24	1.25	(X)	(X)	(X)	(X)
Textile products.....	1.07	1.06	1.02	1.04	(X)	(X)	(X)	(X)
Apparel.....	1.49	1.48	1.42	1.46	(X)	(X)	(X)	(X)
Leather and allied products.....	1.47	1.51	1.55	1.53	(X)	(X)	(X)	(X)
Paper products.....	1.04	1.04	1.04	1.06	(X)	(X)	(X)	(X)
Printing.....	0.78	0.78	0.79	0.80	(X)	(X)	(X)	(X)
Petroleum and coal products.....	0.73	0.75	0.74	0.73	(X)	(X)	(X)	(X)
Chemical products.....	1.14	1.17	1.13	1.15	(X)	(X)	(X)	(X)
Plastics and rubber products.....	1.11	1.09	1.10	1.13	(X)	(X)	(X)	(X)

<sup>p</sup> Preliminary

<sup>r</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 handtools; farm and garden machinery; computer storage and peripheral devices; audio and video equipment; manufacturing and reproducing magnetic and optical media; batteries; automobiles; light trucks and utility vehicles; heavy duty trucks; and miscellaneous furniture.

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

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

[Based on Seasonally Adjusted data]

Industry	Shipments		New Orders		Unfilled Orders		Inventories	
	Jul <sup>1</sup> 2006	Jul <sup>2</sup> 2005-Jun 2006	Jul <sup>1</sup> 2006	Jul <sup>2</sup> 2005-Jun 2006	Jul <sup>1</sup> 2006	Jul <sup>2</sup> 2005-Jun 2006	Jul <sup>1</sup> 2006	Jul <sup>2</sup> 2005-Jun 2006
All manufacturing industries.....	(X)	0.3	(X)	0.5	(X)	0.1	(X)	0.2
Durable goods industries.....	0.0	0.3	-0.1	0.6	-0.1	0.1	0.0	0.2
Wood products.....	(X)	1.3	(X)	(NA)	(X)	(NA)	(X)	0.9
Nonmetallic mineral products.....	(X)	0.4	(X)	(NA)	(X)	(NA)	(X)	0.3
Primary metals.....	0.5	0.5	0.5	1.6	-0.5	0.8	0.1	0.3
Fabricated metal products.....	-0.2	0.4	0.3	1.0	0.2	0.4	0.2	0.3
Machinery.....	-0.1	0.6	-0.4	1.4	-0.1	0.3	0.1	0.1
Computers and electronic products .....	0.6	0.7	1.3	1.2	0.1	0.2	0.0	0.4
Electrical equipment, appliances, and components.....	0.0	0.4	-0.9	1.7	-0.5	0.7	-0.1	0.3
Transportation equipment.....	-0.3	0.5	-0.5	1.1	-0.1	0.2	0.0	0.3
Furniture and related products.....	(X)	0.4	(X)	0.7	(X)	0.7	(X)	0.2
Miscellaneous products.....	(X)	0.9	(X)	1.4	(X)	1.5	(X)	0.4
Nondurable goods industries.....	(X)	0.4	(X)	(NA)	(X)	(NA)	(X)	0.4
Food products.....	(X)	0.5	(X)	(NA)	(X)	(NA)	(X)	0.4
Beverage and tobacco products.....	(X)	0.5	(X)	(NA)	(X)	(NA)	(X)	0.3
Textiles.....	(X)	1.0	(X)	(NA)	(X)	(NA)	(X)	0.6
Textile products.....	(X)	0.6	(X)	(NA)	(X)	(NA)	(X)	0.7
Apparel.....	(X)	1.3	(X)	(NA)	(X)	(NA)	(X)	0.6
Leather and allied products.....	(X)	1.5	(X)	(NA)	(X)	(NA)	(X)	2.0
Paper products.....	(X)	1.0	(X)	(NA)	(X)	(NA)	(X)	0.2
Printing.....	(X)	0.5	(X)	(NA)	(X)	(NA)	(X)	0.2
Petroleum and coal products.....	(X)	0.9	(X)	(NA)	(X)	(NA)	(X)	1.3
Chemical products.....	(X)	0.7	(X)	(NA)	(X)	(NA)	(X)	0.4
Plastics and rubber products.....	(X)	0.4	(X)	(NA)	(X)	(NA)	(X)	0.4

X Not Applicable

NA Not Available

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

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



## Survey Description

This report is compiled from results of the U.S. Census Bureau's Manufacturers' Shipments, Inventories, and Orders (M3) survey. This survey provides statistics on manufacturers' value of shipments, new orders (net of cancellations), end-of-month order backlog (unfilled orders), end-of-month total inventory (at current cost or market value), and inventories by stage of fabrication (materials and supplies, work-in-process, and finished goods). The M3 includes approximately 4,200 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 62 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 4,200 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 4,200 companies would yield different results. The M3 panel is comprised of companies with \$500 million or more in shipments and a limited number of smaller companies. From a statistical perspective, the panel is not a probability sample; therefore, the sampling errors that are normally provided with sample surveys cannot be measured. Nonsampling errors are attributable to many sources. The use of company or divisional reports to estimate the monthly change for establishments is one source of nonsampling error. The use of primarily large companies to represent the month-to-month movement of all companies is another potential source. Any corrections in the data will be released in the next month's advance report. Any revisions made later than two months will be reflected in the annual benchmark publication.

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