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## Full Report on Manufacturers' Shipments, Inventories and Orders July 2005

### Summary

New orders for manufactured goods in July decreased \$7.5 billion or 1.9 percent to \$387.8 billion, the U.S. Census Bureau reported today. This was the largest percent decrease in fifteen months and followed a 0.9 percent increase.

Shipments, up for the third consecutive month, increased \$2.9 billion or 0.7 percent to \$389.3 billion. This was at the highest level since the series was first stated on a NAICS basis in 1992 and followed a slight increase in June.

Unfilled orders, up for the third consecutive month, increased \$5.7 billion or 1.0 percent to \$580.5 billion. This was at the highest level since the series began and followed a 2.8 percent June increase. The unfilled orders-to-shipments ratio was 4.16, up from 4.09 in June.

Inventories, up eighteen of the last nineteen months, increased \$2.3 billion or 0.5 percent to \$463.8 billion. This followed a 0.1 percent June increase. The inventories-to-shipments ratio was unchanged at 1.19.

### New Orders

New orders for manufactured durable goods in July, down following three consecutive monthly increases, decreased \$10.6 billion or 4.9 percent to \$204.7 billion, unchanged from the previously published 4.9 percent decrease. This followed a 1.9 percent June increase.

Transportation equipment, down for the second consecutive month, had the largest decrease, \$5.9 billion or 8.8 percent to \$61.9 billion.

New orders for manufactured nondurable goods increased \$3.1 billion or 1.7 percent to \$183.1 billion.

### Shipments

Shipments of manufactured durable goods in July, down following two consecutive monthly increases, decreased \$0.2 billion or 0.1 percent to \$206.3 billion, unchanged from the previously published 0.1 percent decrease. This followed a 0.2 percent June increase.

Fabricated metal products, down for the second consecutive month, had the largest decrease, \$0.3 billion or 1.3 percent to \$23.6 billion.

Shipments of manufactured nondurable goods increased \$3.1 billion or 1.7 percent to \$183.1 billion, led by petroleum and coal products, which increased \$1.8 billion or 5.6 percent to \$33.9 billion. Chemical products also increased \$1.6 billion or 3.5 percent to \$46.4 billion. Shipments of manufactured nondurable goods were at the highest level since the series began.

### Unfilled Orders

Unfilled orders for manufactured durable goods in July, up for the third consecutive month, increased \$5.7 billion or 1.0 percent to \$580.5 billion, unchanged from the previously published 1.0 percent increase. This was at the highest level since the series began and followed a 2.8 percent June increase.

Transportation equipment, up for the third consecutive month, had the largest increase, \$4.7 billion or 1.7 percent to \$290.0 billion. This was at the highest level since the series began.

### Inventories

Inventories of manufactured durable goods in July, up seventeen of the last eighteen months, increased \$1.7 billion or 0.6 percent to \$282.2 billion, unchanged from the previously published 0.6 percent increase. This followed a 0.4 percent June decrease.

Machinery, up nineteen of the last twenty months, had the largest increase, \$0.7 billion or 1.5 percent to \$47.2 billion.

Inventories of manufactured nondurable goods, up six of the last seven months, increased \$0.6 billion or 0.4 percent to \$181.6 billion. This was at the highest level since the series began and was due to petroleum and coal products, which increased \$1.3 billion or 5.8 percent to \$24.2 billion.

By stage of fabrication, July materials and supplies decreased 0.3 percent in durable goods and 0.2 percent in nondurable goods. Work in process increased 1.6 percent in durable goods and decreased 0.1 percent in nondurable goods. Finished goods increased 0.5 percent in durable goods and 0.9 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 28, 2005, at 8:30 a.m. EDT and the full report on October 4, 2005, 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 2005 <sup>P</sup>	June 2005 <sup>r</sup>	May 2005	June - July	May - June	Apr. - May	July 2005 <sup>P</sup>	June 2005 <sup>r</sup>	May 2005	July 2004	2005 <sup>P</sup>	2004	Percent 2005/2004
All manufacturing industries .....	389,333	386,436	386,344	0.7	0.0	0.7	358,334	412,308	391,209	337,391	2,658,407	2,477,225	7.3
Excluding transportation .....	332,184	329,180	329,370	0.9	-0.1	0.8	317,410	348,621	332,126	297,769	2,269,192	2,080,612	9.1
Excluding defense .....	380,238	377,105	376,945	0.8	0.0	0.7	349,964	402,036	382,061	328,949	2,595,231	2,413,884	7.5
With unfilled orders .....	139,681	140,402	140,159	-0.5	0.2	0.7	124,208	153,502	140,929	119,115	965,216	894,703	7.9
Durable goods industries .....	206,260	206,451	205,944	-0.1	0.2	0.8	179,174	225,754	207,748	171,289	1,416,289	1,336,461	6.0
Wood products.....	9,143	9,031	8,866	1.2	1.9	-1.0	9,353	9,883	9,344	9,095	62,653	61,252	2.3
Nonmetallic mineral products.....	9,013	9,016	9,009	0.0	0.1	0.8	9,083	9,677	9,360	8,428	61,304	55,962	9.5
Primary metals.....	15,008	15,204	15,292	-1.3	-0.6	-1.0	13,791	15,930	15,881	13,838	109,795	97,537	12.6
Iron and steel mills.....	6,417	6,620	6,849	-3.1	-3.3	-2.8	5,909	6,958	7,161	6,745	49,901	44,541	12.0
Aluminum and nonferrous metals.....	6,933	6,943	6,823	-0.1	1.8	0.4	6,416	7,200	7,018	5,739	48,295	42,853	12.7
Ferrous metal foundries.....	1,658	1,641	1,620	1.0	1.3	0.7	1,466	1,772	1,702	1,354	11,599	10,143	14.4
Fabricated metal products.....	23,567	23,876	24,002	-1.3	-0.5	0.5	22,299	25,394	24,601	22,055	165,219	154,714	6.8
Machinery.....	25,790	25,826	25,785	-0.1	0.2	1.2	24,183	28,391	26,508	23,162	181,961	165,123	10.2
Farm machinery.....	1,808	1,742	1,786	3.8	-2.5	-6.0	1,731	1,764	1,904	1,656	13,223	11,816	11.9
Construction machinery.....	2,651	2,765	2,697	-4.1	2.5	2.9	2,470	3,085	2,972	2,133	19,148	15,459	23.9
Mining, oil field, and gas field machinery.....	952	961	973	-0.9	-1.2	-10.3	910	1,020	930	753	6,621	5,010	32.2
Industrial machinery.....	2,395	2,173	2,413	10.2	-9.9	2.2	2,381	2,540	2,295	2,965	17,182	18,878	-9.0
Photographic equipment.....	650	648	638	0.3	1.6	-0.6	625	749	619	643	4,348	4,571	-4.9
Ventilation, heating, air-conditioning, and refrigeration equipment.....	2,907	2,851	2,860	2.0	-0.3	0.5	2,839	3,455	3,000	2,776	20,182	19,668	2.6
Metalworking machinery.....	2,982	2,905	2,882	2.7	0.8	1.8	2,772	3,233	2,747	2,226	19,468	15,803	23.2
Turbines, generators, and other power transmission equipment.....	3,583	3,908	3,615	-8.3	8.1	6.4	3,197	4,083	3,763	3,076	25,808	23,466	10.0
Material handling equipment.....	1,821	1,863	1,808	-2.3	3.0	6.6	1,691	1,989	1,768	1,361	12,278	9,729	26.2
Computers and electronic products .....	36,924	36,769	36,848	0.4	-0.2	1.9	32,528	41,654	34,214	30,125	247,751	222,316	11.4
Computers.....	6,196	6,077	6,205	2.0	-2.1	-3.1	6,360	6,573	5,390	4,811	41,999	28,906	45.3
Computer storage devices.....	721	820	835	-12.1	-1.8	8.7	442	1,393	604	498	5,255	4,741	10.8
Other peripheral equipment.....	1,217	1,196	1,287	1.8	-7.1	0.1	940	1,556	1,077	1,079	8,328	8,503	-2.1
Nondefense communications equipment.....	5,310	5,414	5,226	-1.9	3.6	15.9	4,358	6,141	5,053	4,083	34,559	33,137	4.3
Defense communications equipment.....	394	432	408	-8.8	5.9	-3.8	368	446	420	352	3,068	2,722	12.7
Audio and video equipment.....	778	780	807	-0.3	-3.3	0.4	666	707	690	648	5,006	4,362	14.8
Semiconductors .....	7,237	6,806	7,023	6.3	-3.1	-0.8	6,392	7,349	6,696	6,288	47,973	45,339	5.8
Electronic components.....	4,828	4,946	4,863	-2.4	1.7	1.5	4,242	5,455	4,767	3,815	33,158	27,883	18.9
Nondefense search and navigation equipment.....	922	952	950	-3.2	0.2	3.8	825	1,030	969	723	6,415	5,783	10.9
Defense search and navigation equipment.....	2,711	2,674	2,670	1.4	0.1	1.6	2,570	2,882	2,564	2,353	17,813	16,040	11.1
Electromedical, measuring, and control instruments.....	6,022	6,107	5,985	-1.4	2.0	0.7	4,836	7,567	5,460	4,917	40,316	40,886	-1.4
Electrical equipment, appliances, and components.....	9,549	9,452	9,433	1.0	0.2	1.7	8,783	10,250	9,449	8,327	64,215	60,356	6.4
Electric lighting equipment.....	1,021	1,013	1,021	0.8	-0.8	-2.8	852	1,069	993	878	6,961	6,848	1.7
Household appliances.....	2,182	2,173	2,126	0.4	2.2	1.2	1,994	2,379	2,140	1,909	14,334	13,692	4.7
Electrical equipment.....	3,043	2,993	2,997	1.7	-0.1	2.4	2,853	3,338	3,017	2,587	20,609	18,634	10.6
Batteries.....	594	591	588	0.5	0.5	5.6	489	640	554	446	3,669	3,466	5.9
Transportation equipment.....	57,149	57,256	56,974	-0.2	0.5	0.4	40,924	63,687	59,083	39,622	389,215	396,613	-1.9
Automobiles.....	7,408	7,217	7,116	2.6	1.4	2.7	4,550	7,923	7,455	4,338	48,968	51,349	-4.6
Light trucks and utility vehicles.....	13,172	13,411	12,994	-1.8	3.2	2.5	7,433	14,965	13,589	6,752	88,405	96,564	-8.4
Heavy duty trucks .....	1,670	1,724	1,802	-3.1	-4.3	3.6	1,576	1,951	1,899	1,526	12,211	10,312	18.4
Motor vehicle bodies, parts, and trailers.....	19,265	18,895	19,051	2.0	-0.8	2.5	14,014	20,367	20,169	14,613	132,357	136,919	-3.3
Nondefense aircraft and parts.....	6,738	6,799	6,643	-0.9	2.3	-10.8	5,503	8,214	6,662	4,431	44,478	38,791	14.7
Defense aircraft and parts.....	3,353	3,649	3,746	-8.1	-2.6	1.8	3,047	4,218	3,483	3,334	24,795	26,625	-6.9
Ships and boats.....	2,233	2,291	2,279	-2.5	0.5	-4.0	1,859	2,361	2,473	1,773	16,170	13,916	16.2
Furniture and related products.....	7,491	7,422	7,488	0.9	-0.9	0.7	7,163	7,482	7,314	6,673	50,579	46,212	9.4
Miscellaneous durable goods .....	12,626	12,599	12,247	0.2	2.9	1.3	11,067	13,406	11,994	9,964	83,597	76,376	9.5
Nondurable goods industries.....	183,073	179,985	180,400	1.7	-0.2	0.7	179,160	186,554	183,461	166,102	1,242,118	1,140,764	8.9
Food products.....	44,871	44,898	45,174	-0.1	-0.6	1.5	43,082	45,480	44,984	41,036	306,523	286,638	6.9
Grain and oilseed milling.....	3,057	3,064	3,026	-0.2	1.3	-0.5	2,951	3,025	3,069	3,481	20,860	25,321	-17.6
Dairy products.....	6,864	6,699	6,788	2.5	-1.3	-0.2	6,631	6,848	6,971	6,690	46,845	45,686	2.5
Meat, poultry, and seafood products.....	15,111	15,516	15,427	-2.6	0.6	-0.2	14,906	16,088	15,643	12,615	105,828	86,153	22.8
Beverage and tobacco products.....	9,393	9,460	9,459	-0.7	0.0	5.4	9,670	9,979	10,051	9,297	63,467	63,578	-0.2
Beverages.....	6,109	5,918	5,821	3.2	1.7	0.7	6,386	6,437	6,413	6,026	40,486	40,679	-0.5
Tobacco.....	3,284	3,542	3,638	-7.3	-2.6	13.9	3,284	3,542	3,638	3,271	22,981	22,899	0.4
Textile mills.....	3,313	3,441	3,421	-3.7	0.6	-0.4	3,066	3,670	3,430	3,436	23,891	25,294	-5.5
Textile products.....	2,844	2,818	2,817	0.9	0.0	0.1	2,889	2,970	2,817	2,806	19,710	19,375	1.7
Apparel.....	3,529	3,517	3,464	0.3	1.5	3.3	3,610	3,550	3,250	3,483	23,350	23,286	0.3
Leather and allied products.....	454	470	495	-3.4	-5.1	1.2	433	485	468	466	3,248	3,244	0.1
Paper products.....	14,160	14,191	14,186	-0.2	0.0	0.3	13,907	14,777	14,274	13,389	98,250	91,998	6.8
Pulp, paper, and paperboard mills.....	5,821	5,856	5,876	-0.6	-0.3	-1.0	5,794	6,022	5,903	5,849	41,442	40,329	2.8
Paperboard containers.....	3,754	3,861	3,869	-2.8	-0.2	0.1	3,656	4,046	3,897	3,868	26,699	25,829	3.4
Printing.....	7,355	7,450	7,516	-1.3	-0.9	-0.4	6,879	7,375	7,240	7,290	50,798	51,920	-2.2
Petroleum and coal products.....	33,883	32,091	31,160	5.6	3.0	-0.7	35,288	33,711	32,551	26,925	216,240	167,553	29.1
Petroleum refineries.....	31,414	29,534	28,538	6.4	3.5	-1.4	32,501	30,681	29,708	24,221	198,981	152,280	30.7
Chemical products.....	46,356	44,773	45,726	3.5	-2.1	-0.3	44,086	46,603	46,666	42,454	318,335	297,653	6.9
Pesticides, fertilizers, and other agricultural chemicals.....	2,333	1,847	1,988	26.3	-7.1	6.7	1,903	2,208	2,821	1,565	15,968	13,830	15.5
Pharmaceuticals and medicines.....	11,345	10,875	11,771	4.3	-7.6	-0.3	10,567	10,809	11,571	11,890	78,512	83,358	-5.8
Paints, coatings, and adhesives.....	2,572	2,639	2,575	-2.5	2.5	-0.5	2,626	2,944	2,794	2,565	18,282	17,760	2.9
Plastics and rubber products.....	16,915	16,876	16,982	0.2	-0.6	1.8	16,250	17,954	17,730	15,520	118,306	110,225	7.3

<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 2005 <sup>p</sup>	June 2005 <sup>r</sup>	May 2005	June - July	May - June	Apr. - May	July 2005 <sup>p</sup>	June 2005 <sup>r</sup>	May 2005	July 2004	2005 <sup>p</sup>	2004	Percent 2005/2004
All manufacturing industries <sup>2</sup> .....	387,780	395,324	391,656	-1.9	0.9	4.2	354,607	416,866	393,856	335,596	2,646,217	2,462,900	7.4
Excluding transportation <sup>2</sup> .....	325,889	327,485	322,690	-0.5	1.5	0.8	311,003	344,052	324,371	289,968	2,237,324	2,058,144	8.7
Excluding defense <sup>2</sup> .....	379,266	385,502	383,611	-1.6	0.5	4.1	349,249	406,907	387,834	329,927	2,591,285	2,397,874	8.1
With unfilled orders <sup>2</sup> .....	145,365	156,096	152,494	-6.9	2.4	9.9	126,873	165,409	150,272	123,608	1,000,999	925,717	8.1
Durable goods industries <sup>2</sup> .....	204,707	215,339	211,256	-4.9	1.9	7.3	175,447	230,312	210,395	169,494	1,404,099	1,322,136	6.2
Primary metals.....	15,154	14,871	14,990	1.9	-0.8	0.6	14,045	15,257	15,470	14,616	108,738	101,779	6.8
Iron and steel mills.....	6,646	6,296	6,390	5.6	-1.5	0.5	6,205	6,438	6,670	7,253	48,234	46,944	2.7
Aluminum and nonferrous metals.....	6,826	6,943	6,867	-1.7	1.1	0.6	6,357	7,118	6,980	5,958	48,779	44,379	9.9
Ferrous metal foundries.....	1,682	1,632	1,733	3.1	-5.8	1.3	1,483	1,701	1,820	1,405	11,725	10,456	12.1
Fabricated metal products.....	23,455	24,552	24,199	-4.5	1.5	0.2	22,284	25,760	25,100	21,876	169,505	161,064	5.2
Machinery.....	26,372	28,199	25,573	-6.5	10.3	-2.8	23,921	29,577	25,349	22,191	187,332	169,538	10.5
Construction machinery.....	2,556	3,334	2,923	-23.3	14.1	5.8	2,061	3,253	3,055	1,834	20,379	16,698	22.0
Mining, oil field, and gas field machinery.....	1,070	1,071	1,063	-0.1	0.8	-7.2	982	1,098	1,040	710	7,223	5,370	34.5
Industrial machinery.....	2,437	2,352	2,010	3.6	17.0	-21.8	2,613	2,470	1,852	3,216	17,029	20,184	-15.6
Photographic equipment.....	634	723	630	-12.3	14.8	-4.0	646	789	601	639	4,498	4,636	-3.0
Ventilation, heating, air-conditioning, and refrigeration equipment.....	2,897	2,977	2,873	-2.7	3.6	3.1	2,828	3,448	3,047	2,712	20,633	20,219	2.0
Metalworking machinery.....	3,157	3,108	2,951	1.6	5.3	-5.6	2,923	3,228	2,834	2,196	21,027	16,644	26.3
Turbines, generators, and other power transmission equipment.....	3,846	4,898	3,300	-21.5	48.4	-4.0	3,129	5,120	2,865	2,148	26,172	22,304	17.3
Material handling equipment.....	1,576	1,888	1,932	-16.5	-2.3	5.6	1,165	2,048	1,786	1,367	13,077	10,133	29.1
Computers and electronic products <sup>2</sup> .....	30,080	32,074	29,852	-6.2	7.4	3.1	25,796	36,139	26,734	22,458	205,402	182,130	12.8
Computers.....	5,819	6,433	6,253	-9.5	2.9	-3.6	5,983	6,929	5,438	4,389	41,240	28,385	45.3
Nondefense communications equipment.....	5,569	5,783	5,123	-3.7	12.9	11.3	4,450	6,029	4,823	3,621	36,901	33,039	11.7
Defense communications equipment.....	442	869	435	-49.1	99.8	18.2	331	954	309	376	3,565	2,734	30.4
Semiconductors <sup>2</sup> .....	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Electronic components.....	4,883	4,833	4,924	1.0	-1.8	5.1	4,271	5,453	4,805	3,502	33,227	29,105	14.2
Nondefense search and navigation equipment.....	950	925	937	2.7	-1.3	8.6	852	960	997	799	6,693	6,025	11.1
Defense search and navigation equipment.....	2,827	3,389	2,508	-16.6	35.1	5.8	2,040	3,728	1,801	1,883	18,690	17,942	4.2
Electromedical, measuring, and control instruments.....	6,286	6,481	6,154	-3.0	5.3	0.9	5,292	7,875	5,666	5,105	42,636	43,280	-1.5
Electrical equipment, appliances, and components.....	9,554	9,757	9,657	-2.1	1.0	3.2	9,074	10,284	9,726	8,593	65,850	62,027	6.2
Electric lighting equipment.....	914	1,189	960	-23.1	23.9	-11.2	764	1,263	982	756	7,174	7,024	2.1
Household appliances.....	2,221	2,130	2,205	4.3	-3.4	3.5	2,096	2,227	2,236	2,023	14,418	13,699	5.2
Electrical equipment.....	3,256	3,115	3,157	4.5	-1.3	7.0	3,161	3,321	3,244	2,610	21,797	19,312	12.9
Transportation equipment.....	61,891	67,839	68,966	-8.8	-1.6	23.5	43,604	72,814	69,485	45,628	408,893	404,756	1.0
Motor vehicle bodies, parts, and trailers.....	19,603	18,905	19,214	3.7	-1.6	1.7	14,795	20,053	20,066	14,931	132,834	138,244	-3.9
Nondefense aircraft and parts.....	12,079	15,117	20,137	-20.1	-24.9	174.3	10,025	16,373	19,881	11,056	69,252	44,320	56.3
Defense aircraft and parts.....	2,617	2,771	2,706	-5.6	2.4	14.1	1,648	3,034	2,143	1,944	18,396	23,445	-21.5
Ships and boats.....	2,160	1,899	2,020	13.7	-6.0	-7.0	1,341	1,670	1,826	1,209	12,969	12,844	1.0
Furniture and related products.....	7,246	7,409	7,468	-2.2	-0.8	4.6	7,047	7,523	7,404	6,771	50,950	47,433	7.4
Nondurable goods industries.....	183,073	179,985	180,400	1.7	-0.2	0.7	179,160	186,554	183,461	166,102	1,242,118	1,140,764	8.9

<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: M3-3(04), "Manufacturers' Shipments, Inventories, and Orders: 1992-2004."

**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 05/04
	July 2005 <sup>p</sup>	June 2005 <sup>r</sup>	May 2005	June - July	May - June	Apr. - May	July 2005 <sup>p</sup>	June 2005 <sup>r</sup>	May 2005	July 2004	
All manufacturing industries <sup>1</sup> .....	580,484	574,800	559,106	1.0	2.8	2.3	579,349	576,684	564,777	532,575	8.8
Excluding transportation <sup>1</sup> .....	290,466	289,524	284,413	0.3	1.8	0.1	291,058	291,073	288,293	269,757	7.9
Excluding defense <sup>1</sup> .....	433,667	427,402	412,199	1.5	3.7	3.4	433,484	427,807	415,587	380,157	14.0
Durable goods industries <sup>1</sup> .....	580,484	574,800	559,106	1.0	2.8	2.3	579,349	576,684	564,777	532,575	8.8
Primary metals.....	19,121	18,975	19,308	0.8	-1.7	-1.5	19,429	19,175	19,848	21,674	-10.4
Iron and steel mills.....	9,890	9,661	9,985	2.4	-3.2	-4.4	10,038	9,742	10,262	12,776	-21.4
Aluminum and nonferrous metals.....	6,271	6,378	6,378	-1.7	0.0	0.7	6,457	6,516	6,598	6,187	4.4
Ferrous metal foundries.....	2,960	2,936	2,945	0.8	-0.3	4.0	2,934	2,917	2,988	2,711	8.2
Fabricated metal products.....	45,195	45,307	44,631	-0.2	1.5	0.4	46,096	46,111	45,745	42,011	9.7
Machinery.....	80,977	80,395	78,022	0.7	3.0	-0.3	79,971	80,233	79,047	72,547	10.2
Construction machinery.....	6,577	6,672	6,103	-1.4	9.3	3.8	6,276	6,685	6,517	3,923	60.0
Mining, oil field, and gas field machinery.....	2,175	2,057	1,947	5.7	5.6	4.8	2,158	2,086	2,008	1,456	48.2
Industrial machinery.....	8,853	8,811	8,632	0.5	2.1	-4.5	8,946	8,714	8,784	8,765	2.1
Photographic equipment.....	960	976	901	-1.6	8.3	-0.9	976	955	915	820	19.0
Ventilation, heating, air-conditioning, and refrigeration equipment.....	5,225	5,235	5,109	-0.2	2.5	0.3	5,347	5,358	5,365	4,862	10.0
Metalworking machinery.....	7,771	7,596	7,393	2.3	2.7	0.9	7,826	7,675	7,680	6,209	26.0
Turbines, generators, and other power transmission equipment.....	31,549	31,286	30,296	0.8	3.3	-1.0	30,955	31,023	29,986	31,366	-1.3
Material handling equipment.....	6,818	7,063	7,038	-3.5	0.4	1.8	6,649	7,175	7,116	5,244	26.8
Computers and electronic products <sup>1</sup> .....	114,478	114,085	111,974	0.3	1.9	0.0	114,375	114,715	112,881	104,766	9.2
Computers.....	5,658	6,035	5,679	-6.2	6.3	0.9	5,658	6,035	5,679	5,761	-1.8
Nondefense communications equipment.....	31,117	30,858	30,489	0.8	1.2	-0.3	31,218	31,126	31,238	30,608	2.0
Defense communications equipment...	6,908	6,860	6,423	0.7	6.8	0.4	6,846	6,883	6,375	2,065	231.5
Semiconductors <sup>1</sup> .....	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Electronic components.....	12,903	12,848	12,961	0.4	-0.9	0.5	12,843	12,814	12,816	13,312	-3.5
Nondefense search and navigation equipment.....	3,978	3,950	3,977	0.7	-0.7	-0.3	4,012	3,985	4,055	3,524	13.8
Defense search and navigation equipment.....	34,428	34,312	33,597	0.3	2.1	-0.5	34,159	34,689	33,843	32,827	4.1
Electromedical, measuring, and control instruments.....	19,486	19,222	18,848	1.4	2.0	0.9	19,639	19,183	18,875	16,669	17.8
Electrical equipment, appliances, and components.....	16,845	16,840	16,535	0.0	1.8	1.4	17,046	16,755	16,721	15,622	9.1
Electric lighting equipment.....	1,857	1,964	1,788	-5.4	9.8	-3.3	1,925	2,013	1,819	1,450	32.8
Household appliances.....	697	658	701	5.9	-6.1	12.7	669	567	719	638	4.9
Electrical equipment.....	10,206	9,993	9,871	2.1	1.2	1.6	10,301	9,993	10,010	9,252	11.3
Transportation equipment.....	290,018	285,276	274,693	1.7	3.9	4.6	288,291	285,611	276,484	262,818	9.7
Motor vehicle bodies, parts, and trailers.....	15,675	15,337	15,327	2.2	0.1	1.1	15,747	14,966	15,280	15,641	0.7
Nondefense aircraft and parts.....	148,511	143,170	134,852	3.7	6.2	11.1	147,360	142,838	134,679	114,928	28.2
Defense aircraft and parts.....	48,763	49,499	50,377	-1.5	-1.7	-2.0	48,998	50,397	51,581	60,683	-19.3
Ships and boats.....	16,238	16,311	16,703	-0.4	-2.3	-1.5	15,658	16,176	16,867	17,303	-9.5
Furniture and related products.....	7,107	7,352	7,365	-3.3	-0.2	-0.3	7,398	7,514	7,473	7,487	-1.2

<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 05/04
	July 2005 <sup>p</sup>	June 2005 <sup>r</sup>	May 2005	June - July	May - June	Apr. - May	July 2005 <sup>p</sup>	June 2005 <sup>r</sup>	May 2005	July 2004	
All manufacturing industries.....	463,824	461,511	461,219	0.5	0.1	-0.1	466,641	458,827	464,550	439,661	6.1
Excluding transportation.....	397,675	396,047	395,405	0.4	0.2	-0.2	399,645	394,082	398,248	375,431	6.4
Excluding defense.....	444,706	442,626	442,123	0.5	0.1	-0.2	447,382	439,851	445,503	421,200	6.2
With unfilled orders.....	218,709	217,265	219,055	0.7	-0.8	0.3	220,391	215,938	220,890	206,654	6.6
Durable goods industries.....	282,192	280,518	281,584	0.6	-0.4	0.2	284,322	278,794	284,242	266,650	6.6
Wood products.....	10,620	10,659	10,656	-0.4	0.0	0.2	10,415	10,463	10,588	9,775	6.5
Nonmetallic mineral products.....	10,381	10,263	10,200	1.1	0.6	0.2	10,474	10,336	10,421	9,741	7.5
Primary metals.....	24,380	24,601	24,805	-0.9	-0.8	0.7	24,420	24,339	24,652	20,110	21.4
Iron and steel mills.....	14,150	14,390	14,538	-1.7	-1.0	0.5	14,187	14,122	14,301	10,877	30.4
Aluminum and nonferrous metals.....	8,184	8,169	8,217	0.2	-0.6	1.4	8,196	8,139	8,235	7,544	8.6
Ferrous metal foundries.....	2,046	2,042	2,050	0.2	-0.4	0.2	2,037	2,078	2,116	1,689	20.6
Fabricated metal products.....	37,079	37,202	37,572	-0.3	-1.0	-0.3	37,358	37,260	37,944	34,005	9.9
Machinery.....	47,223	46,530	46,629	1.5	-0.2	0.7	47,244	46,182	47,033	42,795	10.4
Farm machinery.....	2,511	2,518	2,500	-0.3	0.7	0.3	2,434	2,506	2,508	2,141	13.7
Construction machinery.....	3,947	3,971	3,959	-0.6	0.3	1.7	3,904	3,945	3,954	3,530	10.6
Mining, oil field, and gas field machinery.....	2,621	2,595	2,592	1.0	0.1	3.0	2,649	2,664	2,674	2,332	13.6
Industrial machinery.....	6,628	6,532	6,429	1.5	1.6	0.4	6,598	6,534	6,586	6,118	7.8
Photographic equipment.....	1,368	1,369	1,340	-0.1	2.2	0.8	1,381	1,373	1,382	1,252	10.3
Ventilation, heating, air-conditioning, and refrigeration equipment.....	4,029	4,004	4,225	0.6	-5.2	1.3	4,035	3,980	4,345	3,724	8.4
Metalworking machinery.....	4,480	4,356	4,392	2.8	-0.8	1.2	4,556	4,313	4,450	4,306	5.8
Turbines, generators, and other power transmission equipment.....	5,828	5,546	5,626	5.1	-1.4	-0.3	5,889	5,406	5,594	5,018	17.4
Material handling equipment.....	2,782	2,700	2,666	3.0	1.3	0.6	2,736	2,686	2,686	2,161	26.6
Computers and electronic products.....	44,464	44,110	44,395	0.8	-0.6	0.0	45,108	43,580	45,096	45,552	-1.0
Computers.....	1,895	1,981	1,971	-4.3	0.5	-0.5	1,881	2,008	2,039	1,787	5.3
Computer storage devices.....	1,541	1,469	1,433	4.9	2.5	1.9	1,590	1,370	1,567	1,250	27.2
Other peripheral equipment.....	1,832	1,829	1,846	0.2	-0.9	-1.6	1,879	1,790	1,908	1,941	-3.2
Nondefense communications equipment.....	8,976	8,831	9,012	1.6	-2.0	-0.9	9,040	8,486	9,133	9,521	-5.1
Defense communications equipment.....	990	966	1,003	2.5	-3.7	6.7	990	966	1,003	1,152	-14.1
Audio and video equipment.....	1,100	1,121	1,169	-1.9	-4.1	-0.4	1,144	1,090	1,097	1,051	8.8
Semiconductors <sup>1</sup> .....	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Electronic components.....	6,584	6,464	6,533	1.9	-1.1	-1.6	6,721	6,463	6,616	7,167	-6.2
Nondefense search and navigation equipment.....	2,494	2,475	2,534	0.8	-2.3	-0.7	2,528	2,486	2,553	2,500	1.1
Defense search and navigation equipment.....	2,540	2,557	2,863	-0.7	-10.7	2.5	2,575	2,584	2,901	2,880	-10.6
Electromedical, measuring and control instruments.....	9,663	9,611	9,760	0.5	-1.5	1.0	9,702	9,500	9,864	9,529	1.8
Electrical equipment, appliances, and components.....	12,737	12,686	12,707	0.4	-0.2	-0.3	12,779	12,706	13,098	12,195	4.8
Electric lighting equipment.....	1,510	1,519	1,530	-0.6	-0.7	-0.5	1,558	1,556	1,561	1,544	0.9
Household appliances.....	2,194	2,173	2,213	1.0	-1.8	1.1	2,219	2,190	2,380	2,066	7.4
Electrical equipment.....	4,335	4,300	4,282	0.8	0.4	-0.3	4,286	4,238	4,365	3,975	7.8
Batteries.....	607	608	611	-0.2	-0.5	-2.1	628	623	641	645	-2.6
Transportation equipment.....	66,149	65,464	65,814	1.0	-0.5	0.4	66,996	64,745	66,302	64,230	4.3
Automobiles.....	2,183	2,245	2,206	-2.8	1.8	5.7	2,319	2,221	2,275	2,254	2.9
Light trucks and utility vehicles.....	3,016	3,023	3,095	-0.2	-2.3	0.9	3,115	2,948	3,196	2,705	15.2
Heavy duty trucks.....	1,303	1,319	1,319	-1.2	0.0	-2.7	1,299	1,294	1,325	1,102	17.9
Motor vehicle bodies, parts, and trailers.....	17,788	17,930	17,964	-0.8	-0.2	-0.8	17,933	17,849	17,944	17,464	2.7
Nondefense aircraft and parts.....	22,311	21,629	22,127	3.2	-2.3	1.1	22,599	21,156	22,481	22,851	-1.1
Defense aircraft and parts.....	11,582	11,352	11,294	2.0	0.5	1.2	11,681	11,413	11,242	10,559	10.6
Ships and boats.....	2,569	2,635	2,573	-2.5	2.4	-1.0	2,556	2,663	2,522	2,518	1.5
Furniture and related products.....	8,702	8,716	8,706	-0.2	0.1	0.1	8,927	8,926	8,813	8,490	5.1
Miscellaneous durable goods.....	20,457	20,287	20,100	0.8	0.9	-1.0	20,601	20,257	20,295	19,757	4.3
Nondurable goods industries.....	181,632	180,993	179,635	0.4	0.8	-0.5	182,319	180,033	180,308	173,011	5.4
Food products.....	33,088	32,852	32,741	0.7	0.3	-0.6	32,575	31,812	31,816	31,754	2.6
Grain and oilseed milling.....	3,277	3,158	3,101	3.8	1.8	-1.9	3,041	2,977	2,955	2,958	2.8
Dairy products.....	4,155	4,085	4,095	1.7	-0.2	0.9	4,312	4,241	4,275	4,321	-0.2
Meat, poultry, and seafood products.....	6,359	6,303	6,285	0.9	0.3	0.3	6,353	6,223	6,304	6,085	4.4
Beverage and tobacco products.....	14,739	14,675	14,763	0.4	-0.6	-0.1	14,140	14,264	14,481	13,908	1.7
Beverages.....	9,954	9,878	9,954	0.8	-0.8	0.3	9,663	9,720	9,849	9,399	2.8
Tobacco.....	4,785	4,797	4,809	-0.3	-0.2	-0.9	4,477	4,544	4,632	4,509	-0.7
Textile mills.....	4,164	4,211	4,239	-1.1	-0.7	-0.4	4,224	4,251	4,379	4,652	-9.2
Textile products.....	3,671	3,693	3,705	-0.6	-0.3	0.1	3,711	3,762	3,796	3,638	2.0
Apparel.....	6,087	6,118	6,131	-0.5	-0.2	-0.3	6,383	6,381	6,231	5,862	8.9
Leather and allied products.....	845	867	871	-2.5	-0.5	0.5	866	886	879	815	6.3
Paper products.....	14,427	14,437	14,391	-0.1	0.3	0.0	14,406	14,391	14,490	13,843	4.1
Pulp, paper, and paperboard mills.....	6,348	6,287	6,267	1.0	0.3	-0.1	6,320	6,268	6,338	5,935	6.5
Paperboard containers.....	4,055	4,081	4,143	-0.6	-1.5	0.2	4,052	4,050	4,126	3,950	2.6
Printing.....	6,658	6,655	6,654	0.0	0.0	-0.5	6,939	6,635	6,509	6,686	3.8
Petroleum and coal products.....	24,198	22,869	22,099	5.8	3.5	-2.6	24,995	23,055	22,779	20,842	19.9
Petroleum refineries.....	21,780	20,565	19,755	5.9	4.1	-2.9	22,456	20,618	20,265	18,727	19.9
Chemical products.....	54,218	54,998	54,325	-1.4	1.2	-0.3	54,635	55,015	54,844	53,573	2.0
Pesticides, fertilizers, and other agricultural chemicals.....	2,494	2,462	2,338	1.3	5.3	3.3	2,196	2,234	2,290	1,937	13.4
Pharmaceuticals and medicines.....	18,116	18,472	18,036	-1.9	2.4	-1.6	18,488	18,655	18,194	20,923	-11.6
Paints, coatings, and adhesives.....	2,878	2,873	2,850	0.2	0.8	0.6	2,912	2,924	2,912	2,668	9.1
Plastics and rubber products.....	19,537	19,618	19,716	-0.4	-0.5	0.2	19,445	19,581	20,104	17,438	11.5

<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> 2005/ 2004	
	July 2005 <sup>p</sup>	June 2005 <sup>r</sup>	May 2005	June - July	May - June	Apr. - May	July 2005 <sup>p</sup>	June 2005 <sup>r</sup>	May 2005	July 2004	2005 <sup>p</sup>		2004
<b>SHIPMENTS</b>													
All manufacturing industries .....	389,333	386,436	386,344	0.7	0.0	0.7	358,334	412,308	391,209	337,391	2,658,407	2,477,225	7.3
Construction materials and supplies.....	41,206	41,551	41,437	-0.8	0.3	0.5	40,727	45,482	42,995	39,533	285,875	268,973	6.3
Information technology.....	28,218	28,347	28,301	-0.5	0.2	2.6	25,114	32,423	26,115	23,172	189,610	171,381	10.6
Computers and related products .....	8,134	8,093	8,327	0.5	-2.8	-1.5	7,742	9,522	7,071	6,388	55,582	42,150	31.9
Motor vehicle and parts.....	41,515	41,247	40,963	0.6	0.7	2.6	27,573	45,206	43,112	27,229	281,941	295,144	-4.5
Capital goods.....	71,977	72,951	72,845	-1.3	0.1	0.7	65,232	81,851	71,221	61,219	495,762	451,252	9.9
Nondefense capital goods <sup>3</sup> .....	64,410	64,869	64,849	-0.7	0.0	0.7	58,180	73,139	63,434	53,759	442,264	396,094	11.7
Excluding aircraft.....	60,833	61,157	61,309	-0.5	-0.2	1.9	55,553	68,327	59,780	51,936	419,130	376,963	11.2
Defense capital goods <sup>4</sup> .....	7,567	8,082	7,996	-6.4	1.1	1.0	7,052	8,712	7,787	7,460	53,498	55,158	-3.0
Consumer goods.....	153,892	151,663	151,083	1.5	0.4	1.1	141,708	157,353	153,303	129,397	1,031,957	964,099	7.0
Consumer durable goods.....	38,766	38,858	38,060	-0.2	2.1	1.9	27,843	41,747	39,064	25,814	260,252	260,272	0.0
Consumer nondurable goods.....	115,126	112,805	113,023	2.1	-0.2	0.9	113,865	115,606	114,239	103,583	771,705	703,827	9.6
<b>NEW ORDERS</b>													
All manufacturing industries <sup>5</sup> .....	387,780	395,324	391,656	-1.9	0.9	4.2	354,607	416,866	393,856	335,596	2,646,217	2,462,900	7.4
Construction materials and supplies.....	40,875	41,961	41,338	-2.6	1.5	0.0	40,476	45,624	43,219	39,062	288,784	273,997	5.4
Information technology.....	28,400	30,696	28,305	-7.5	8.4	2.7	24,735	34,308	25,240	22,353	195,465	176,187	10.9
Computers and related products .....	7,757	8,449	8,375	-8.2	0.9	-2.0	7,365	9,878	7,119	5,966	54,823	41,629	31.7
Motor vehicle and parts.....	41,853	41,257	41,126	1.4	0.3	2.2	28,354	44,892	43,009	27,547	282,418	296,469	-4.7
Capital goods.....	78,102	85,400	85,210	-8.5	0.2	17.7	67,489	91,957	80,858	65,399	526,649	468,853	12.3
Nondefense capital goods <sup>3</sup> .....	70,903	76,688	78,376	-7.5	-2.2	18.7	63,003	83,337	75,883	60,408	479,708	411,200	16.7
Excluding aircraft.....	61,550	64,151	61,164	-4.1	4.9	-0.5	55,517	69,687	58,737	52,011	429,883	386,598	11.2
Defense capital goods <sup>4</sup> .....	7,199	8,712	6,834	-17.4	27.5	7.2	4,486	8,620	4,975	4,991	46,941	57,653	-18.6
Consumer goods.....	153,891	151,444	151,481	1.6	0.0	1.3	141,965	156,847	153,714	129,609	1,031,489	964,712	6.9
Consumer durable goods.....	38,765	38,639	38,458	0.3	0.5	2.5	28,100	41,241	39,475	26,026	259,784	260,885	-0.4
Consumer nondurable goods.....	115,126	112,805	113,023	2.1	-0.2	0.9	113,865	115,606	114,239	103,583	771,705	703,827	9.6
<b>UNFILLED ORDERS</b>													
All manufacturing industries <sup>5</sup> .....	580,484	574,800	559,106	1.0	2.8	2.3	579,349	576,684	564,777	532,575	(X)	(X)	8.8
Construction materials and supplies.....	36,117	36,448	36,038	-0.9	1.1	-0.3	37,009	37,260	37,118	34,624	(X)	(X)	6.9
Information technology.....	106,620	106,438	104,089	0.2	2.3	0.0	106,659	107,038	105,153	96,556	(X)	(X)	10.5
Computers and related products .....	5,658	6,035	5,679	-6.2	6.3	0.9	5,658	6,035	5,679	5,761	(X)	(X)	-1.8
Motor vehicle and parts.....	15,675	15,337	15,327	2.2	0.1	1.1	15,747	14,966	15,280	15,641	(X)	(X)	0.7
Capital goods.....	431,968	425,843	413,394	1.4	3.0	3.1	429,331	427,074	416,968	385,129	(X)	(X)	11.5
Nondefense capital goods <sup>3</sup> .....	297,062	290,569	278,750	2.2	4.2	5.1	295,408	290,585	280,387	247,736	(X)	(X)	19.2
Excluding aircraft.....	168,022	167,305	164,311	0.4	1.8	-0.1	167,704	167,740	166,380	154,793	(X)	(X)	8.3
Defense capital goods <sup>4</sup> .....	134,906	135,274	134,644	-0.3	0.5	-0.9	133,923	136,489	136,581	137,393	(X)	(X)	-2.5
Consumer goods.....	13,433	13,434	13,653	0.0	-1.6	3.0	13,589	13,332	13,838	13,056	(X)	(X)	4.1
Consumer durable goods.....	13,433	13,434	13,653	0.0	-1.6	3.0	13,589	13,332	13,838	13,056	(X)	(X)	4.1
<b>TOTAL INVENTORIES</b>													
All manufacturing industries .....	463,824	461,511	461,219	0.5	0.1	-0.1	466,641	458,827	464,550	439,661	(X)	(X)	6.1
Construction materials and supplies.....	53,834	53,755	54,201	0.1	-0.8	0.1	54,144	53,824	54,871	49,684	(X)	(X)	9.0
Information technology.....	36,858	36,651	37,369	0.6	-1.9	0.3	37,174	36,106	37,970	37,234	(X)	(X)	-0.2
Computers and related products .....	5,268	5,279	5,250	-0.2	0.6	-0.2	5,350	5,168	5,514	4,978	(X)	(X)	7.5
Motor vehicle and parts.....	24,290	24,517	24,584	-0.9	-0.3	-0.1	24,666	24,312	24,740	23,525	(X)	(X)	4.9
Capital goods.....	126,456	124,613	125,305	1.5	-0.6	0.5	127,218	123,405	126,754	121,494	(X)	(X)	4.7
Nondefense capital goods <sup>3</sup> .....	111,226	109,658	110,056	1.4	-0.4	0.3	111,946	108,420	111,502	106,286	(X)	(X)	5.3
Excluding aircraft.....	93,613	92,531	92,579	1.2	-0.1	0.1	94,104	91,752	93,854	88,029	(X)	(X)	6.9
Defense capital goods <sup>4</sup> .....	15,230	14,955	15,249	1.8	-1.9	1.4	15,272	14,985	15,252	15,208	(X)	(X)	0.4
Consumer goods.....	140,373	139,340	138,110	0.7	0.9	-0.8	141,116	138,362	138,245	136,112	(X)	(X)	3.7
Consumer durable goods.....	30,823	30,891	30,949	-0.2	-0.2	0.1	31,274	30,779	31,319	29,863	(X)	(X)	4.7
Consumer nondurable goods.....	109,550	108,449	107,161	1.0	1.2	-1.0	109,842	107,583	106,926	106,249	(X)	(X)	3.4

<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 05/04
	July 2005 <sup>p</sup>	June 2005 <sup>f</sup>	May 2005	June - July	May - June	Apr. - May	July 2005 <sup>p</sup>	June 2005 <sup>f</sup>	May 2005	July 2004	
<b><u>MATERIALS AND SUPPLIES</u></b>											
All manufacturing industries .....	156,995	157,376	157,239	-0.2	0.1	0.1	157,771	156,130	157,280	149,936	5.2
Durable goods industries .....	95,655	95,896	96,028	-0.3	-0.1	0.0	96,342	94,695	95,548	90,596	6.3
Wood products.....	4,168	4,206	4,127	-0.9	1.9	1.1	4,020	3,922	3,792	3,739	7.5
Nonmetallic mineral products.....	3,664	3,688	3,661	-0.7	0.7	0.1	3,689	3,689	3,651	3,650	1.1
Primary metals.....	9,298	9,448	9,516	-1.6	-0.7	0.8	9,354	9,355	9,255	7,728	21.0
Fabricated metal products.....	13,901	13,961	14,045	-0.4	-0.6	-0.4	13,942	13,816	14,023	11,983	16.3
Machinery.....	16,568	16,466	16,396	0.6	0.4	0.3	16,700	16,335	16,379	14,836	12.6
Computers and electronic products .....	15,063	15,063	15,335	0.0	-1.8	-0.3	15,184	14,884	15,465	16,387	-7.3
Electrical equipment, appliances, and components.....	5,121	5,101	5,081	0.4	0.4	0.1	5,096	5,059	5,143	4,664	9.3
Transportation equipment.....	16,720	16,853	16,941	-0.8	-0.5	0.0	17,054	16,521	16,895	16,778	1.6
Furniture and related products.....	3,921	3,904	3,804	0.4	2.6	-0.8	3,977	3,936	3,809	3,915	1.6
Miscellaneous products.....	7,231	7,206	7,122	0.3	1.2	-0.4	7,326	7,178	7,136	6,916	5.9
Nondurable goods industries.....	61,340	61,480	61,211	-0.2	0.4	0.2	61,429	61,435	61,732	59,340	3.5
Food products.....	10,571	10,497	10,360	0.7	1.3	0.2	10,361	10,308	10,291	10,283	0.8
Beverage and tobacco products.....	4,955	4,958	5,000	-0.1	-0.8	-1.3	4,757	4,842	4,986	4,843	-1.8
Textiles.....	1,287	1,313	1,323	-2.0	-0.8	0.0	1,298	1,315	1,364	1,343	-3.4
Textile products.....	1,407	1,419	1,409	-0.8	0.7	1.3	1,435	1,443	1,428	1,340	7.1
Apparel.....	1,334	1,325	1,316	0.7	0.7	0.2	1,338	1,341	1,338	1,333	0.4
Leather and allied products.....	247	240	258	2.9	-7.0	-0.4	255	247	260	266	-4.1
Paper products.....	6,257	6,295	6,283	-0.6	0.2	0.8	6,231	6,261	6,235	6,405	-2.7
Printing .....	2,985	3,049	3,030	-2.1	0.6	-0.8	3,058	3,092	2,947	2,995	2.1
Petroleum and coal products.....	7,340	6,928	6,887	5.9	0.6	1.5	7,636	6,955	7,260	6,714	13.7
Chemical products.....	17,522	17,908	17,786	-2.2	0.7	0.1	17,574	18,098	18,024	17,061	3.0
Plastics and rubber products.....	7,435	7,548	7,559	-1.5	-0.1	-0.1	7,486	7,533	7,599	6,757	10.8
<b><u>WORK IN PROCESS</u></b>											
All manufacturing industries .....	127,513	126,011	126,267	1.2	-0.2	-0.2	128,309	124,628	126,960	124,376	3.2
Durable goods industries .....	99,458	97,938	98,321	1.6	-0.4	0.2	100,252	97,061	99,361	95,553	4.9
Wood products.....	1,861	1,898	2,046	-1.9	-7.2	1.6	1,853	1,884	2,040	1,905	-2.7
Nonmetallic mineral products.....	1,181	1,169	1,164	1.0	0.4	1.4	1,196	1,184	1,206	1,189	0.6
Primary metals.....	7,568	7,670	7,652	-1.3	0.2	2.3	7,596	7,595	7,653	6,316	20.3
Fabricated metal products.....	10,480	10,385	10,533	0.9	-1.4	-1.1	10,589	10,446	10,643	9,747	8.6
Machinery.....	14,462	14,069	14,229	2.8	-1.1	-0.5	14,597	14,074	14,555	13,642	7.0
Computers and electronic products .....	19,514	19,130	19,053	2.0	0.4	0.6	19,881	18,954	19,434	19,914	-0.2
Electrical equipment, appliances, and components.....	2,672	2,647	2,649	0.9	-0.1	-1.3	2,690	2,657	2,733	2,648	1.6
Transportation equipment.....	36,948	36,117	36,042	2.3	0.2	0.6	37,012	35,376	36,067	35,619	3.9
Furniture and related products.....	1,522	1,552	1,563	-1.9	-0.7	0.7	1,544	1,565	1,564	1,490	3.6
Miscellaneous products.....	3,250	3,301	3,390	-1.5	-2.6	-5.0	3,294	3,326	3,466	3,083	6.8
Nondurable goods industries.....	28,055	28,073	27,946	-0.1	0.5	-1.6	28,057	27,567	27,599	28,823	-2.7
Food products.....	2,897	2,794	2,921	3.7	-4.3	0.3	2,685	2,541	2,616	2,500	7.4
Beverage and tobacco products.....	4,128	4,166	4,140	-0.9	0.6	2.4	3,690	3,865	3,945	3,487	5.8
Textiles.....	1,133	1,144	1,147	-1.0	-0.3	0.3	1,144	1,148	1,163	1,255	-8.8
Textile products.....	561	564	564	-0.5	0.0	0.5	570	575	587	588	-3.1
Apparel.....	1,019	990	1,008	2.9	-1.8	-0.9	1,059	1,026	1,041	1,088	-2.7
Leather and allied products.....	116	126	125	-7.9	0.8	7.8	115	122	126	113	1.8
Paper products.....	1,377	1,371	1,406	0.4	-2.5	-0.8	1,398	1,373	1,416	1,330	5.1
Printing .....	1,827	1,778	1,785	2.8	-0.4	0.7	1,997	1,723	1,701	1,892	5.5
Petroleum and coal products.....	2,771	2,647	2,471	4.7	7.1	-16.3	2,924	2,623	2,495	3,365	-13.1
Chemical products.....	10,098	10,351	10,140	-2.4	2.1	-0.8	10,366	10,426	10,276	11,210	-7.5
Plastics and rubber products.....	2,128	2,142	2,239	-0.7	-4.3	-0.3	2,109	2,145	2,233	1,995	5.7
<b><u>FINISHED GOODS</u></b>											
All manufacturing industries .....	179,316	178,124	177,713	0.7	0.2	-0.2	180,561	178,069	180,310	165,349	9.2
Durable goods industries .....	87,079	86,684	87,235	0.5	-0.6	0.4	87,728	87,038	89,333	80,501	9.0
Wood products.....	4,591	4,555	4,483	0.8	1.6	-1.3	4,542	4,657	4,756	4,131	9.9
Nonmetallic mineral products.....	5,536	5,406	5,375	2.4	0.6	0.0	5,589	5,463	5,564	4,902	14.0
Primary metals.....	7,514	7,483	7,637	0.4	-2.0	-0.9	7,470	7,389	7,744	6,066	23.1
Fabricated metal products.....	12,698	12,856	12,994	-1.2	-1.1	0.7	12,827	12,998	13,278	12,275	4.5
Machinery.....	16,193	15,995	16,004	1.2	-0.1	2.2	15,947	15,773	16,099	14,317	11.4
Computers and electronic products .....	9,887	9,917	10,007	-0.3	-0.9	-0.6	10,043	9,742	10,197	9,251	8.6
Electrical equipment, appliances, and components.....	4,944	4,938	4,977	0.1	-0.8	-0.1	4,993	4,990	5,222	4,883	2.3
Transportation equipment.....	12,481	12,494	12,831	-0.1	-2.6	0.4	12,930	12,848	13,340	11,833	9.3
Furniture and related products.....	3,259	3,260	3,339	0.0	-2.4	0.8	3,406	3,425	3,440	3,085	10.4
Miscellaneous products.....	9,976	9,780	9,588	2.0	2.0	0.1	9,981	9,753	9,693	9,758	2.3
Nondurable goods industries.....	92,237	91,440	90,478	0.9	1.1	-0.7	92,833	91,031	90,977	84,848	9.4
Food products.....	19,620	19,561	19,460	0.3	0.5	-1.1	19,529	18,963	18,909	18,971	2.9
Beverage and tobacco products.....	5,656	5,551	5,623	1.9	-1.3	-0.8	5,693	5,557	5,550	5,578	2.1
Textiles.....	1,744	1,754	1,769	-0.6	-0.8	-1.1	1,782	1,788	1,852	2,054	-13.2
Textile products.....	1,703	1,710	1,732	-0.4	-1.3	-1.0	1,706	1,744	1,781	1,710	-0.2
Apparel.....	3,734	3,803	3,807	-1.8	-0.1	-0.3	3,986	4,014	3,852	3,441	15.8
Leather and allied products.....	482	501	488	-3.8	2.7	-0.8	496	517	493	436	13.8
Paper products.....	6,793	6,771	6,702	0.3	1.0	-0.5	6,777	6,757	6,839	6,108	11.0
Printing .....	1,846	1,828	1,839	1.0	-0.6	-1.1	1,884	1,820	1,861	1,799	4.7
Petroleum and coal products.....	14,087	13,294	12,741	6.0	4.3	-1.6	14,435	13,477	13,024	10,763	34.1
Chemical products.....	26,598	26,739	26,399	-0.5	1.3	-0.4	26,695	26,491	26,544	25,302	5.5
Plastics and rubber products.....	9,974	9,928	9,918	0.5	0.1	0.6	9,850	9,903	10,272	8,686	13.4

<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>			
	Jul 2005 <sup>p</sup>	Jun 2005 <sup>r</sup>	May 2005	Apr 2005	Jul 2005 <sup>p</sup>	Jun 2005 <sup>r</sup>	May 2005	Apr 2005
All manufacturing industries <sup>2</sup> .....	1.19	1.19	1.19	1.20	(X)	(X)	(X)	(X)
Durable goods industries <sup>2</sup> .....	1.37	1.36	1.37	1.38	4.16	4.09	3.99	3.93
Wood products.....	1.16	1.18	1.20	1.19	(X)	(X)	(X)	(X)
Nonmetallic mineral products.....	1.15	1.14	1.13	1.14	(X)	(X)	(X)	(X)
Primary metals.....	1.62	1.62	1.62	1.59	1.27	1.25	1.26	1.27
Fabricated metal products.....	1.57	1.56	1.57	1.58	1.98	1.96	1.92	1.92
Machinery.....	1.83	1.80	1.81	1.82	3.49	3.45	3.36	3.43
Computers and electronic products <sup>2</sup> ..	1.20	1.20	1.20	1.23	4.34	4.29	4.26	4.37
Electrical equipment, appliances, and components.....	1.33	1.34	1.35	1.37	1.88	1.90	1.87	1.87
Transportation equipment.....	1.16	1.14	1.16	1.16	8.31	8.17	7.83	7.42
Furniture and related products.....	1.16	1.17	1.16	1.17	1.06	1.11	1.10	1.11
Miscellaneous products.....	1.62	1.61	1.64	1.68	(X)	(X)	(X)	(X)
Nondurable goods industries.....	0.99	1.01	1.00	1.01	(X)	(X)	(X)	(X)
Food products.....	0.74	0.73	0.72	0.74	(X)	(X)	(X)	(X)
Beverage and tobacco products.....	1.57	1.55	1.56	1.65	(X)	(X)	(X)	(X)
Textiles.....	1.26	1.22	1.24	1.24	(X)	(X)	(X)	(X)
Textile products.....	1.29	1.31	1.32	1.32	(X)	(X)	(X)	(X)
Apparel.....	1.72	1.74	1.77	1.83	(X)	(X)	(X)	(X)
Leather and allied products.....	1.86	1.84	1.76	1.77	(X)	(X)	(X)	(X)
Paper products.....	1.02	1.02	1.01	1.02	(X)	(X)	(X)	(X)
Printing.....	0.91	0.89	0.89	0.89	(X)	(X)	(X)	(X)
Petroleum and coal products.....	0.71	0.71	0.71	0.72	(X)	(X)	(X)	(X)
Chemical products.....	1.17	1.23	1.19	1.19	(X)	(X)	(X)	(X)
Plastics and rubber products.....	1.16	1.16	1.16	1.18	(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> 2005	Jul <sup>2</sup> 2004-Jun 2005	Jul <sup>1</sup> 2005	Jul <sup>2</sup> 2004-Jun 2005	Jul <sup>1</sup> 2005	Jul <sup>2</sup> 2004-Jun 2005	Jul <sup>1</sup> 2005	Jul <sup>2</sup> 2004-Jun 2005
All manufacturing industries.....	(X)	0.3	(X)	0.4	(X)	0.1	(X)	0.1
Durable goods industries.....	0.0	0.3	0.0	0.5	0.0	0.1	0.0	0.2
Wood products.....	(X)	0.6	(X)	(NA)	(X)	(NA)	(X)	0.5
Nonmetallic mineral products.....	(X)	0.7	(X)	(NA)	(X)	(NA)	(X)	0.2
Primary metals.....	-0.3	0.5	0.8	1.2	1.4	0.6	-0.1	0.4
Fabricated metal products.....	-0.1	0.4	-0.1	0.7	0.1	0.4	-0.1	0.3
Machinery.....	0.1	0.7	-0.3	1.5	-0.1	0.5	0.1	0.1
Computers and electronic products.....	0.0	0.6	-0.3	1.4	-0.1	0.2	0.1	0.4
Electrical equipment, appliances, and components.....	0.0	0.3	-0.1	0.7	0.0	0.4	0.0	0.3
Transportation equipment.....	-0.1	0.4	-0.2	0.9	0.0	0.2	0.0	0.2
Furniture and related products.....	(X)	0.5	(X)	0.8	(X)	0.6	(X)	0.3
Miscellaneous products.....	(X)	0.6	(X)	0.9	(X)	0.8	(X)	0.4
Nondurable goods industries.....	(X)	0.3	(X)	(NA)	(X)	(NA)	(X)	0.2
Food products.....	(X)	0.7	(X)	(NA)	(X)	(NA)	(X)	0.4
Beverage and tobacco products.....	(X)	0.8	(X)	(NA)	(X)	(NA)	(X)	0.4
Textiles.....	(X)	0.8	(X)	(NA)	(X)	(NA)	(X)	0.5
Textile products.....	(X)	0.6	(X)	(NA)	(X)	(NA)	(X)	0.2
Apparel.....	(X)	1.6	(X)	(NA)	(X)	(NA)	(X)	0.6
Leather and allied products.....	(X)	1.7	(X)	(NA)	(X)	(NA)	(X)	1.0
Paper products.....	(X)	0.3	(X)	(NA)	(X)	(NA)	(X)	0.2
Printing.....	(X)	0.6	(X)	(NA)	(X)	(NA)	(X)	0.3
Petroleum and coal products.....	(X)	0.7	(X)	(NA)	(X)	(NA)	(X)	0.5
Chemical products.....	(X)	0.8	(X)	(NA)	(X)	(NA)	(X)	0.4
Plastics and rubber products.....	(X)	0.5	(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 4,000 reporting units. Units may be divisions of diversified large companies, large homogenous companies, or single-unit manufacturers in 89 industry categories. Due to the small monthly sample, these 89 categories have been combined into 59 publication levels. The survey methodology assumes that the month-to-month changes of the total operations of those companies in the monthly survey effectively represent the month-to-month movements of all establishments that make up the category. The current coverage levels in the survey show that reported data in the monthly survey represent approximately 60 percent of the shipments estimates at the total manufacturing level. Data published represent manufacturing in a calendar month. The data collection is based on a voluntary survey authorized by Title 13 of the United States Code.

The data presented in this release are based on data obtained from a panel of 4,000 reporting units and provide an indication of the activity within the manufacturing sector. The results differ from what would be obtained from a complete enumeration of all manufacturing companies. In addition, a different panel of 4,000 companies would yield different results. The M3 panel is comprised of companies with \$500 million or more in shipments and a limited number of smaller companies. From a statistical perspective, the panel is not a probability sample; therefore, the sampling errors that are normally provided with sample surveys cannot be measured. Nonsampling errors are attributable to many sources. The use of company or divisional reports to estimate the monthly change for establishments is one source of nonsampling error. The use of primarily large companies to represent the month-to-month movement of all companies is another potential source.

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