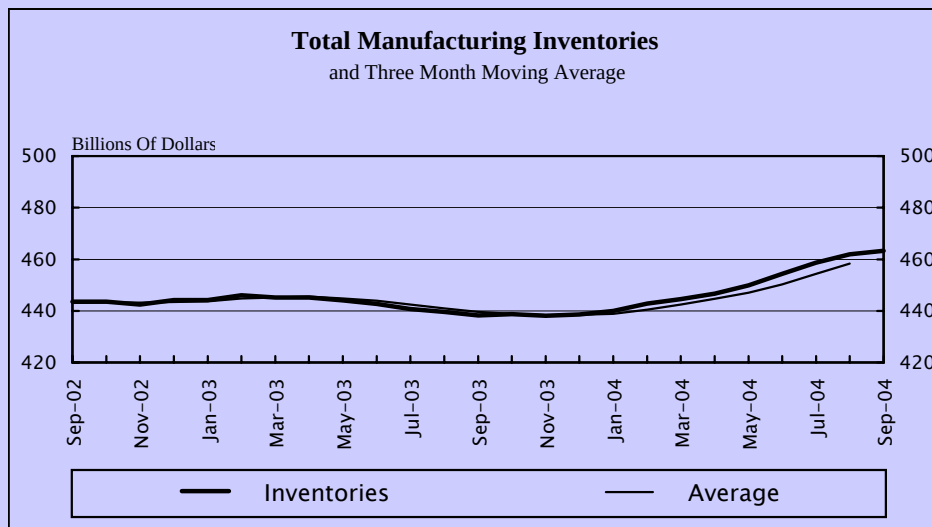
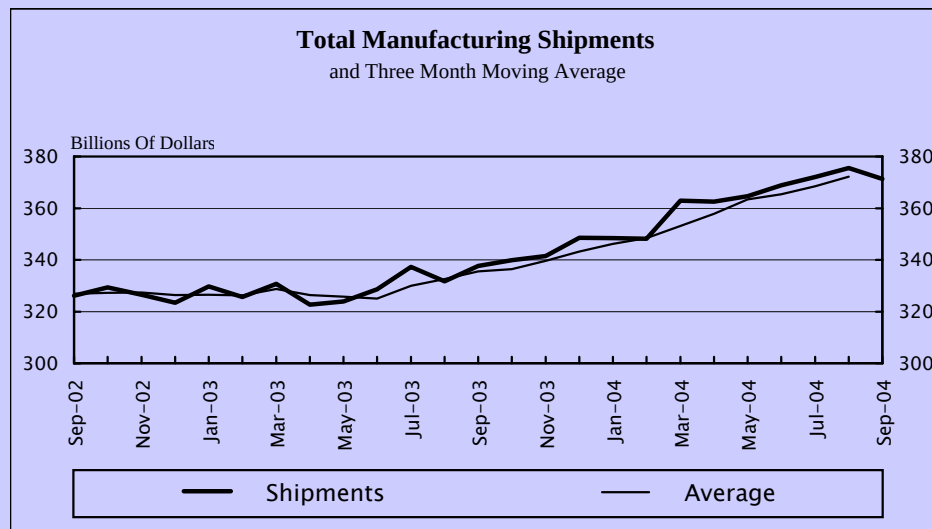


Manufacturers' Shipments, Inventories, and Orders: September 2004

Issued November 2004

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

The advance report on durable goods for October is scheduled for November 24, 2004 at 8:30 a.m. and the full report on December 2, 2004 at 10:00 a.m.
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Figures in text, other than year-to-date, are in seasonally adjusted current dollars. Figures on new and unfilled orders exclude data for semiconductor manufacturing.

Summary

New orders for manufactured goods in September decreased \$1.3 billion or 0.4 percent to \$368.3 billion, the Department of Commerce, Census Bureau reported today. This followed a 0.3 percent August decrease.

Shipments, down following four consecutive increases, decreased \$4.2 billion or 1.1 percent to \$371.3 billion. This followed a 0.9 percent August increase.

Unfilled orders, up thirteen of the last fourteen months, increased \$4.0 billion or 0.8 percent to \$539.3 billion. This followed a 0.3 percent August increase. The unfilled orders-to-shipments ratio was 3.97, up from 3.90 in August.

Inventories, up ten consecutive months, increased \$1.3 billion or 0.3 percent to \$463.3 billion. This followed a 0.7 percent August increase. The inventories-to-shipments ratio was 1.25, up from 1.23 in August.

New Orders

New orders for manufactured durable goods in September increased \$0.4 billion or 0.2 percent to \$195.9 billion, revised from the previously published \$195.7 billion.

Computers and electronic products, had the largest increase, \$3.1 billion or 9.6 percent to \$35.7 billion, due to defense communications equipment, which increased \$3.1 billion.

New orders for manufactured nondurable goods decreased \$1.8 billion or 1.0 percent to \$172.4 billion.

Shipments

Shipments of manufactured durable goods in September, down following three consecutive increases, decreased \$2.5 billion or 1.2 percent to \$198.9 billion, revised from the previously published \$2.3 billion decrease.

Computers and electronic products, down following three consecutive increases, had the largest decrease, \$1.4 billion or 3.5 percent to \$38.6 billion. Transportation equipment decreased \$0.9 billion or 1.6 percent to \$53.8 billion.

Shipments of manufactured nondurable goods, down two consecutive months following five consecutive increases, decreased \$1.8 billion or 1.0 percent to \$172.4 billion. Food products had the largest decrease, \$0.6 billion or 1.5 percent to \$40.5 billion.

Unfilled Orders

Unfilled orders of manufactured durable goods in September, up thirteen of the last fourteen months, increased \$4.0 billion or 0.8 percent to \$539.3 billion, revised from the previously published \$3.8 billion increase.

Computers and electronic products, up seven of the last eight months, had the largest increase, \$4.2 billion or 3.1 percent to \$139.2 billion. This was at the highest level since the series was first stated on a NAICS basis in 1992 and followed a 0.1 percent August increase.

Inventories

Inventories of manufactured durable goods in September, up ten consecutive months, increased \$1.1 billion or 0.4 percent to \$278.2 billion, revised from the previously published \$0.8 billion increase.

Computers and electronic products, up seven consecutive months, had the largest increase, \$0.6 billion or 1.3 percent to \$49.6 billion.

Inventories of manufactured nondurable goods, up nine consecutive months, increased \$0.2 billion or 0.1 percent to \$185.1 billion. This was at the highest level since the series began in 1992. Plastic and rubber products, up eleven consecutive months, had the largest increase, \$0.4 billion or 1.9 percent to \$22.4 billion. This was also at the highest level since the series began in 1992.

By stage of fabrication, September materials and supplies increased 1.1 percent in durable goods and decreased 0.1 percent in nondurable goods. Work in process decreased 0.9 percent in durable goods and 0.4 percent in nondurable goods. Finished goods increased 1.1 percent in durable goods and 0.4 percent in nondurable goods.

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

Industry	Seasonally Adjusted						Not Seasonally Adjusted ¹						
	Monthly			Percent Change			Monthly			Year to date			
	Sept. 2004 ^P	Aug. 2004 ^r	July 2004	Aug. - Sept.	July - Aug.	June - July	Sept. 2004 ^P	Aug. 2004 ^r	July 2004	Sept. 2003	2004 ^P	2003	Percent 2004/ 2003
All manufacturing industries	371,302	375,537	372,105	-1.1	0.9	0.9	392,524	382,018	344,364	357,911	3,288,297	2,963,725	11.0
Excluding transportation	317,525	320,865	319,872	-1.0	0.3	1.7	334,459	326,581	306,319	300,909	2,801,055	2,505,410	11.8
Excluding defense	361,866	365,658	362,407	-1.0	0.9	0.9	382,113	372,561	335,444	347,684	3,201,438	2,884,605	11.0
With unfilled orders	135,747	137,288	136,338	-1.1	0.7	1.7	145,604	136,958	121,774	132,609	1,197,100	1,077,817	11.1
Durable goods industries	198,923	201,398	197,698	-1.2	1.9	0.5	214,687	202,400	173,628	197,413	1,762,608	1,589,674	10.9
Wood products.....	9,484	9,749	9,139	-2.7	6.7	-0.3	10,035	10,610	9,370	8,865	83,801	68,485	22.4
Nonmetallic mineral products.....	7,401	7,559	7,543	-2.1	0.2	1.0	8,040	8,397	7,818	8,049	68,140	66,067	3.1
Primary metals.....	14,548	14,511	14,217	0.3	2.1	3.2	14,861	14,908	13,287	11,041	123,092	99,023	24.3
Iron and steel mills.....	7,064	7,038	6,928	0.4	1.6	5.9	7,243	7,257	6,525	4,899	57,471	45,122	27.4
Aluminum and nonferrous metals.....	5,892	5,881	5,693	0.2	3.3	0.2	5,959	6,007	5,347	4,804	51,709	42,288	22.3
Ferrous metal foundries.....	1,592	1,592	1,596	0.0	-0.3	2.1	1,659	1,644	1,415	1,338	13,912	11,613	19.8
Fabricated metal products.....	23,240	23,162	23,173	0.3	0.0	1.5	24,413	24,256	22,079	21,388	203,570	184,143	10.5
Machinery.....	25,382	24,885	25,116	2.0	-0.9	3.2	26,540	24,026	23,739	22,088	219,293	189,666	15.6
Farm machinery.....	1,840	1,899	1,880	-3.1	1.0	9.4	1,855	1,807	1,793	1,425	16,420	13,120	25.2
Construction machinery.....	2,648	2,514	2,364	5.3	6.3	4.0	2,508	2,351	2,267	1,711	21,364	15,738	35.7
Mining, oil field, and gas field machinery.....	968	918	902	5.4	1.8	2.4	1,043	893	879	815	7,753	6,366	21.8
Industrial machinery.....	3,304	3,193	3,595	3.5	-11.2	5.7	3,661	2,813	3,565	3,086	29,437	26,090	12.8
Photographic equipment.....	837	862	931	-2.9	-7.4	5.8	922	827	868	898	7,881	7,111	10.8
Ventilation, heating, air-conditioning, and refrigeration equipment.....	2,937	2,735	2,809	7.4	-2.6	-0.3	3,170	2,862	2,808	2,685	25,429	22,918	11.0
Metalworking machinery.....	2,132	2,100	2,129	1.5	-1.4	1.6	2,511	2,141	1,910	1,780	18,045	15,104	19.5
Turbines, generators, and other power transmission equipment.....	3,285	3,304	3,265	-0.6	1.2	3.3	3,455	3,246	2,766	2,803	28,132	23,819	18.1
Material handling equipment.....	1,544	1,558	1,502	-0.9	3.7	3.0	1,564	1,505	1,446	1,388	13,441	11,968	12.3
Computers and electronic products	38,580	39,986	39,372	-3.5	1.6	3.0	44,330	37,728	34,500	41,682	340,890	301,466	13.1
Computers.....	5,087	5,339	5,474	-4.7	-2.5	7.7	5,625	5,107	5,762	6,063	47,207	41,587	13.5
Computer storage devices.....	1,551	1,519	1,522	2.1	-0.2	1.1	2,516	1,138	981	2,323	13,057	11,730	11.3
Other peripheral equipment.....	1,492	1,716	1,647	-13.1	4.2	7.6	1,925	1,539	1,321	1,931	13,736	12,949	6.1
Nondefense communications equipment.....	6,425	6,978	6,516	-7.9	7.1	3.8	7,182	6,412	5,251	7,319	56,408	51,083	10.4
Defense communications equipment.....	503	511	503	-1.6	1.6	-2.9	551	515	457	479	4,598	3,817	20.5
Audio and video equipment.....	685	762	699	-10.1	9.0	3.6	782	745	622	766	5,715	5,695	0.4
Semiconductors	7,080	7,481	7,522	-5.4	-0.5	5.1	7,902	7,270	6,521	6,476	62,951	51,489	22.3
Electronic components.....	4,591	4,579	4,597	0.3	-0.4	1.2	4,929	4,554	4,191	4,380	39,757	36,284	9.6
Nondefense search and navigation equipment.....	934	881	820	6.0	7.4	-13.4	1,087	879	754	996	8,119	7,567	7.3
Defense search and navigation equipment.....	2,777	2,731	2,731	1.7	0.0	6.3	2,959	2,582	2,590	2,549	23,426	21,374	9.6
Electromedical, measuring, and control instruments.....	6,948	6,954	6,788	-0.1	2.4	-1.3	8,317	6,461	5,551	7,828	61,234	53,551	14.3
Electrical equipment, appliances, and components.....	8,892	9,197	9,054	-3.3	1.6	3.6	9,927	9,139	8,279	9,528	79,071	75,230	5.1
Electric lighting equipment.....	1,110	1,095	1,094	1.4	0.1	6.9	1,233	1,056	925	1,169	9,525	9,208	3.4
Household appliances.....	2,125	2,097	2,069	1.3	1.4	1.0	2,302	2,153	1,912	2,236	18,135	17,511	3.6
Electrical equipment.....	2,607	2,711	2,691	-3.8	0.7	2.9	2,994	2,717	2,495	2,871	23,725	22,279	6.5
Batteries.....	519	520	497	-0.2	4.6	-0.2	632	507	403	570	4,308	4,001	7.7
Transportation equipment.....	53,777	54,672	52,233	-1.6	4.7	-3.7	58,065	55,437	38,045	57,002	487,242	458,315	6.3
Automobiles.....	7,602	7,682	7,195	-1.0	6.8	-4.2	8,210	8,036	4,390	7,998	68,231	64,282	6.1
Light trucks and utility vehicles.....	11,144	11,054	9,524	0.8	16.1	-13.9	12,312	11,447	5,509	12,257	101,711	94,656	7.5
Heavy duty trucks	1,317	1,277	1,300	3.1	-1.8	5.3	1,345	1,302	1,246	1,145	11,071	9,673	14.5
Motor vehicle bodies, parts, and trailers.....	18,198	18,604	18,652	-2.2	-0.3	1.6	18,958	19,189	13,793	18,967	166,974	161,141	3.6
Nondefense aircraft and parts.....	6,272	6,313	5,904	-0.6	6.9	-5.2	6,939	5,906	4,643	6,216	52,636	49,537	6.3
Defense aircraft and parts.....	3,438	3,724	3,542	-7.7	5.1	-4.4	3,921	3,516	3,198	3,858	33,058	29,071	13.7
Ships and boats.....	2,333	2,352	2,450	-0.8	-4.0	0.0	2,357	2,486	2,078	2,456	21,260	19,055	11.6
Furniture and related products.....	6,151	6,322	6,471	-2.7	-2.3	4.4	6,437	6,764	6,120	6,105	55,949	51,965	7.7
Miscellaneous durable goods	11,468	11,355	11,380	1.0	-0.2	-2.8	12,039	11,135	10,391	11,665	101,560	95,314	6.6
Nondurable goods industries.....	172,379	174,139	174,407	-1.0	-0.2	1.3	177,837	179,618	170,736	160,498	1,525,689	1,374,051	11.0
Food products.....	40,497	41,096	41,942	-1.5	-2.0	1.2	42,039	42,042	39,983	40,620	359,895	340,282	5.8
Grain and oilseed milling.....	3,261	3,102	3,457	5.1	-10.3	1.3	3,252	3,163	3,289	4,227	30,182	36,482	-17.3
Dairy products.....	6,122	6,329	6,632	-3.3	-4.6	-1.2	6,329	6,445	6,478	5,934	57,230	48,308	18.5
Meat, poultry, and seafood products.....	12,877	12,946	12,618	-0.5	2.6	0.3	12,976	13,531	12,360	11,480	108,091	100,023	8.1
Beverage and tobacco products.....	9,231	9,308	9,020	-0.8	3.2	-4.6	9,423	9,698	9,263	8,815	82,068	79,673	3.0
Beverages.....	6,158	6,110	5,929	0.8	3.1	0.4	6,350	6,500	6,172	5,825	54,344	51,744	5.0
Tobacco.....	3,073	3,198	3,091	-3.9	3.5	-13.0	3,073	3,198	3,091	2,990	27,724	27,929	-0.7
Textile mills.....	3,478	3,487	3,504	-0.3	-0.5	5.2	3,746	3,613	3,259	3,561	31,323	29,950	4.6
Textile products.....	3,124	3,157	3,147	-1.0	0.3	0.8	3,205	3,414	3,202	3,087	28,704	26,161	9.7
Apparel.....	4,710	4,657	4,768	1.1	-2.3	-0.4	5,049	5,046	4,928	4,796	42,221	39,162	7.8
Leather and allied products.....	879	906	896	-3.0	1.1	-1.4	888	988	874	881	7,861	8,083	-2.7
Paper products.....	14,430	14,703	14,602	-1.9	0.7	-1.6	14,759	15,137	14,385	13,561	128,855	119,397	7.9
Pulp, paper, and paperboard mills.....	6,038	6,037	6,089	0.0	-0.9	1.5	6,136	6,309	6,073	5,678	53,747	51,869	3.6
Paperboard containers.....	3,973	4,058	3,984	-2.1	1.9	3.3	4,017	4,263	3,941	3,651	34,569	33,004	4.7
Printing.....	7,932	7,785	8,009	1.9	-2.8	-1.9	8,394	8,014	7,544	8,264	70,097	70,347	-0.4
Petroleum and coal products.....	28,690	29,024	28,673	-1.2	1.2	7.0	29,603	30,877	29,548	20,552	245,167	179,501	36.6
Petroleum refineries.....	26,457	26,739	26,453	-1.1	1.1	7.3	26,964	28,156	26,982	18,546	225,328	164,082	37.3
Basic chemicals.....	42,231	42,788	42,861	-1.3	-0.2	1.4	43,275	43,073	41,244	40,464	376,885	342,159	10.1
Pesticides, fertilizers, and other agricultural chemicals.....	1,802	1,807	1,804	-0.3	0.2	4.7	1,315	1,407	1,558	1,190	16,327	14,630	11.6
Pharmaceuticals and medicines.....	9,483	9,983	10,270	-5.0	-2.8	1.9	10,075	10,115	9,511	10,506	87,004	87,797	-0.9
Paints, coatings, and adhesives.....	2,504	2,556	2,465	-2.0	3.7	-1.2	2,580	2,743	2,609	2,504	23,397	21,800	7.3
Plastics and rubber products.....	17,177	17,228	16,985	-0.3	1.4	0.1	17,456	17,716	16,506	15,897	152,613	139,336	9.5

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

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

[Millions of Dollars]

Industry	Seasonally Adjusted						Not Seasonally Adjusted ¹						
	Monthly			Percent Change			Monthly				Year to date		
	Sept. 2004 ^p	Aug. 2004 ^r	July 2004	Aug. - Sept.	July - Aug.	June - July	Sept. 2004 ^p	Aug. 2004 ^r	July 2004	Sept. 2003	2004 ^p	2003	Percent 2004/ 2003
All manufacturing industries ²	368,254	369,574	370,838	-0.4	-0.3	1.7	384,859	371,988	341,356	349,573	3,254,405	2,916,053	11.6
Excluding transportation ²	315,883	315,056	311,374	0.3	1.2	0.8	329,718	317,996	298,277	295,144	2,764,128	2,459,318	12.4
Excluding defense ²	356,637	360,064	361,448	-1.0	-0.4	2.2	373,803	364,939	335,281	340,889	3,167,373	2,831,876	11.8
With unfilled orders ²	139,779	138,806	142,593	0.7	-2.7	3.9	145,841	134,198	125,287	130,747	1,226,159	1,081,634	13.4
Durable goods industries ²	195,875	195,435	196,431	0.2	-0.5	1.9	207,022	192,370	170,620	189,075	1,728,716	1,542,002	12.1
Primary metals.....	14,610	14,928	15,020	-2.1	-0.6	7.5	14,345	15,385	13,997	10,729	126,921	98,895	28.3
Iron and steel mills.....	7,052	7,351	7,508	-4.1	-2.1	13.3	6,866	7,783	6,977	4,667	59,724	45,165	32.2
Aluminum and nonferrous metals.....	5,925	5,969	5,847	-0.7	2.1	1.0	5,811	5,950	5,553	4,705	52,962	42,087	25.8
Ferrous metal foundries.....	1,633	1,608	1,665	1.6	-3.4	7.1	1,668	1,652	1,467	1,357	14,235	11,643	22.3
Fabricated metal products.....	23,071	23,556	23,047	-2.1	2.2	-0.3	23,377	24,575	21,916	21,392	209,741	184,088	13.9
Machinery.....	26,141	25,345	24,783	3.1	2.3	0.8	27,040	23,899	23,229	21,767	224,818	188,164	19.5
Construction machinery.....	2,851	2,714	2,354	5.0	15.3	7.0	2,574	2,474	1,968	1,664	22,776	15,802	44.1
Mining, oil field, and gas field machinery.....	950	886	860	7.2	3.0	-3.7	1,025	861	837	806	8,046	6,430	25.1
Industrial machinery.....	3,817	3,391	3,636	12.6	-6.7	-3.4	3,941	2,777	3,830	2,915	30,992	25,978	19.3
Photographic equipment.....	841	850	908	-1.1	-6.4	6.6	914	809	864	920	7,928	7,339	8.0
Ventilation, heating, air-conditioning, and refrigeration equipment.....	2,975	2,702	2,727	10.1	-0.9	0.6	3,080	2,766	2,747	2,587	25,795	23,367	10.4
Metalworking machinery.....	2,136	2,085	2,135	2.4	-2.3	2.4	2,451	2,027	1,887	1,825	18,492	15,124	22.3
Turbines, generators, and other power transmission equipment.....	3,195	3,575	3,022	-10.6	18.3	0.8	3,355	3,468	2,560	2,594	28,682	21,242	35.0
Material handling equipment.....	1,637	1,549	1,451	5.7	6.8	-3.5	1,928	1,349	1,261	1,668	13,580	11,819	14.9
Computers and electronic products ²	35,717	32,584	30,741	9.6	6.0	-4.2	40,355	28,429	26,133	36,582	285,644	256,193	11.5
Computers.....	5,666	5,096	5,092	11.2	0.1	-10.2	6,135	4,980	5,151	6,073	47,110	42,299	11.4
Nondefense communications equipment.....	6,166	6,690	6,053	-7.8	10.5	5.2	7,076	4,842	4,554	8,279	54,815	56,131	-2.3
Defense communications equipment.....	3,432	372	544	822.6	-31.6	2.8	3,480	376	498	443	7,408	3,874	91.2
Semiconductors ²	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Electronic components.....	4,605	5,010	4,313	-8.1	16.2	-7.5	4,798	5,119	3,862	4,390	41,618	34,073	22.1
Nondefense search and navigation equipment.....	1,139	1,066	903	6.8	18.1	-0.9	1,260	963	858	915	8,644	7,711	12.1
Defense search and navigation equipment.....	3,117	2,745	2,784	13.6	-1.4	-3.9	3,300	1,949	2,050	2,659	24,993	22,048	13.4
Electromedical, measuring, and control instruments.....	7,357	7,073	6,631	4.0	6.7	-10.5	8,528	6,252	5,737	8,231	63,866	55,343	15.4
Electrical equipment, appliances, and components.....	9,147	9,436	9,040	-3.1	4.4	6.7	9,941	9,333	8,545	9,327	80,830	75,238	7.4
Electric lighting equipment.....	1,177	1,310	963	-10.2	36.0	17.7	1,270	1,278	805	1,120	9,958	9,312	6.9
Household appliances.....	2,090	2,290	2,133	-8.7	7.4	11.2	2,224	2,400	2,051	2,137	18,313	17,436	5.0
Electrical equipment.....	2,711	2,663	2,646	1.8	0.6	-1.0	3,017	2,602	2,518	2,899	24,288	22,646	7.3
Transportation equipment.....	52,371	54,518	59,464	-3.9	-8.3	6.5	55,141	53,992	43,079	54,429	490,277	456,735	7.3
Motor vehicle bodies, parts, and trailers.....	18,136	18,865	18,704	-3.9	0.9	0.4	18,629	19,200	14,044	19,215	168,046	161,053	4.3
Nondefense aircraft and parts.....	5,610	6,706	12,475	-16.3	-46.2	103.5	6,576	6,614	10,737	5,698	58,105	42,534	36.6
Defense aircraft and parts.....	2,469	2,779	3,007	-11.2	-7.6	-41.6	2,175	1,600	1,894	3,292	26,369	32,567	-19.0
Ships and boats.....	1,777	2,172	2,322	-18.2	-6.5	9.5	1,534	2,175	1,446	1,733	18,950	17,696	7.1
Furniture and related products.....	6,198	6,309	6,348	-1.8	-0.6	1.2	6,442	6,519	6,216	6,133	56,750	52,223	8.7
Nondurable goods industries.....	172,379	174,139	174,407	-1.0	-0.2	1.3	177,837	179,618	170,736	160,498	1,525,689	1,374,051	11.0

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

Note: Estimates of manufacturers' shipments, inventories and orders are subject to survey error and revision. One major component of survey error is nonsampling error, which includes errors of coverage, response, and nonreporting. Since the survey panel is not a probability sample, estimates of sampling error cannot be calculated. Further details on survey design, methodology, and data limitations are contained in our most recent annual benchmark publication, Current Industrial Reports: M3-1(02), "Manufacturers' Shipments, Inventories, and Orders: 1992-2002."

Table 3. Value of Manufacturers' Unfilled Orders for Industry Groups**[Millions of Dollars]**

Industry	Seasonally Adjusted						Not Seasonally Adjusted				
	Monthly			Percent Change			Monthly				Percent Change Sept. 04/03
	Sept. 2004 ^P	Aug. 2004 ^r	July 2004	Aug. - Sept.	July - Aug.	June - July	Sept. 2004 ^P	Aug. 2004 ^r	July 2004	Sept. 2003	
All manufacturing industries ¹	539,342	535,310	533,792	0.8	0.3	1.2	531,475	531,238	533,998	484,496	9.7
Excluding transportation ¹	281,216	275,778	274,106	2.0	0.6	-0.4	277,159	273,998	275,313	241,660	14.7
Excluding defense ¹	377,273	375,422	373,535	0.5	0.5	1.8	373,345	373,753	374,105	334,894	11.5
Durable goods industries ¹	539,342	535,310	533,792	0.8	0.3	1.2	531,475	531,238	533,998	484,496	9.7
Primary metals.....	20,205	20,143	19,726	0.3	2.1	4.2	19,831	20,347	19,870	14,331	38.4
Iron and steel mills.....	11,648	11,660	11,347	-0.1	2.8	5.4	11,520	11,897	11,371	7,843	46.9
Aluminum and nonferrous metals.....	5,840	5,807	5,719	0.6	1.5	2.8	5,671	5,819	5,876	4,280	32.5
Ferrous metal foundries.....	2,717	2,676	2,660	1.5	0.6	2.7	2,640	2,631	2,623	2,208	19.6
Fabricated metal products.....	44,628	44,797	44,403	-0.4	0.9	-0.3	44,192	45,228	44,909	36,845	19.9
Machinery.....	49,234	48,475	48,015	1.6	1.0	-0.7	48,407	47,907	48,034	40,918	18.3
Construction machinery.....	4,531	4,328	4,128	4.7	4.8	-0.2	4,118	4,052	3,929	2,073	98.6
Mining, oil field, and gas field machinery.....	1,355	1,373	1,405	-1.3	-2.3	-2.9	1,355	1,373	1,405	962	40.9
Industrial machinery.....	9,213	8,700	8,502	5.9	2.3	0.5	8,893	8,613	8,649	7,360	20.8
Photographic equipment.....	879	875	887	0.5	-1.4	-2.5	874	882	900	782	11.8
Ventilation, heating, air-conditioning, and refrigeration equipment.....	4,700	4,662	4,695	0.8	-0.7	-1.7	4,613	4,703	4,799	4,445	3.8
Metalworking machinery.....	4,551	4,547	4,562	0.1	-0.3	0.1	4,407	4,467	4,581	3,663	20.3
Turbines, generators, and other power transmission equipment.....	9,882	9,972	9,701	-0.9	2.8	-2.4	9,888	9,988	9,766	8,153	21.3
Material handling equipment.....	4,976	4,883	4,892	1.9	-0.2	-1.0	5,000	4,636	4,792	4,740	5.5
Computers and electronic products ¹	139,189	134,972	134,893	3.1	0.1	-0.8	136,861	132,934	134,963	125,033	9.5
Computers.....	8,674	8,095	8,338	7.2	-2.9	-4.4	8,708	8,198	8,325	8,836	-1.4
Nondefense communications equipment.....	45,858	46,117	46,405	-0.6	-0.6	-1.0	44,787	44,893	46,463	46,853	-4.4
Defense communications equipment.....	6,199	3,270	3,409	89.6	-4.1	1.2	6,199	3,270	3,409	2,999	106.7
Semiconductors ¹	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Electronic components.....	15,843	15,829	15,398	0.1	2.8	-1.8	15,790	15,921	15,356	13,273	19.0
Nondefense search and navigation equipment.....	5,177	4,972	4,787	4.1	3.9	1.8	5,106	4,933	4,849	4,633	10.2
Defense search and navigation equipment.....	38,515	38,175	38,161	0.9	0.0	0.1	37,641	37,300	37,933	34,308	9.7
Electromedical, measuring, and control instruments.....	18,923	18,514	18,395	2.2	0.6	-0.8	18,630	18,419	18,628	14,131	31.8
Electrical equipment, appliances, and components.....	15,288	15,033	14,794	1.7	1.6	-0.1	15,174	15,160	14,966	13,800	10.0
Electric lighting equipment.....	1,670	1,603	1,388	4.2	15.5	-8.6	1,690	1,653	1,431	1,559	8.4
Household appliances.....	955	990	797	-3.5	24.2	8.7	945	1,023	776	824	14.7
Electrical equipment.....	8,892	8,788	8,836	1.2	-0.5	-0.5	8,836	8,813	8,928	8,438	4.7
Transportation equipment.....	258,126	259,532	259,686	-0.5	-0.1	2.9	254,316	257,240	258,685	242,836	4.7
Motor vehicle bodies, parts, and trailers.....	15,275	15,337	15,076	-0.4	1.7	0.3	14,692	15,021	15,010	12,045	22.0
Nondefense aircraft and parts.....	110,711	111,373	110,980	-0.6	0.4	6.3	110,540	110,903	110,195	104,491	5.8
Defense aircraft and parts.....	55,313	56,282	57,227	-1.7	-1.7	-0.9	54,081	55,827	57,743	59,460	-9.0
Ships and boats.....	19,028	19,584	19,764	-2.8	-0.9	-0.6	18,151	18,974	19,285	19,289	-5.9
Furniture and related products.....	6,135	6,088	6,101	0.8	-0.2	-2.0	6,157	6,152	6,397	5,512	11.7

^P Preliminary^r Revised

NA Not available.

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

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

Table 4. Value of Manufacturers' Inventories for Industry Groups

[Millions of Dollars]

Industry	Seasonally Adjusted						Not Seasonally Adjusted				
	Monthly			Percent Change			Monthly				Percent Change Sept. 04/03
	Sept. 2004 ^P	Aug. 2004 ^r	July 2004	Aug. - Sept.	July - Aug.	June - July	Sept. 2004 ^P	Aug. 2004 ^r	July 2004	Sept. 2003	
All manufacturing industries.....	463,262	461,975	458,681	0.3	0.7	1.0	463,958	465,926	461,464	438,210	5.9
Excluding transportation.....	394,842	392,920	389,432	0.5	0.9	0.9	395,144	395,837	391,393	370,499	6.7
Excluding defense.....	439,146	438,073	434,635	0.2	0.8	1.1	439,695	441,686	437,069	415,006	5.9
With unfilled orders.....	216,685	216,060	214,428	0.3	0.8	1.2	216,508	218,319	216,197	204,114	6.1
Durable goods industries.....	278,186	277,119	274,834	0.4	0.8	1.1	277,522	279,879	276,952	260,534	6.5
Wood products.....	10,401	10,318	10,230	0.8	0.9	0.5	10,264	10,069	9,988	9,276	10.7
Nonmetallic mineral products.....	9,369	9,363	9,303	0.1	0.6	1.1	9,225	9,367	9,350	9,567	-3.6
Primary metals.....	19,969	19,643	19,070	1.7	3.0	1.3	20,068	19,667	19,187	17,374	15.5
Iron and steel mills.....	11,250	10,881	10,307	3.4	5.6	1.2	11,389	10,930	10,419	9,387	21.3
Aluminum and nonferrous metals.....	6,851	6,918	6,960	-1.0	-0.6	1.0	6,856	6,922	6,962	6,360	7.8
Ferrous metal foundries.....	1,868	1,844	1,803	1.3	2.3	2.4	1,823	1,815	1,806	1,627	12.0
Fabricated metal products.....	34,364	34,005	33,470	1.1	1.6	1.7	34,241	34,184	33,669	30,656	11.7
Machinery.....	44,927	44,688	44,315	0.5	0.8	1.1	44,625	44,920	44,212	40,992	8.9
Farm machinery.....	2,420	2,399	2,422	0.9	-0.9	0.5	2,305	2,311	2,360	2,056	12.1
Construction machinery.....	4,131	4,116	4,164	0.4	-1.2	3.7	4,091	4,079	4,096	3,415	19.8
Mining, oil field, and gas field machinery.....	2,264	2,343	2,333	-3.4	0.4	-3.1	2,265	2,394	2,360	2,249	0.7
Industrial machinery.....	7,111	7,108	6,905	0.0	2.9	-0.9	7,028	7,166	6,866	6,507	8.0
Photographic equipment.....	1,434	1,417	1,409	1.2	0.6	-0.2	1,460	1,421	1,411	1,418	3.0
Ventilation, heating, air-conditioning, and refrigeration equipment.....	4,481	4,473	4,371	0.2	2.3	2.9	4,416	4,526	4,375	4,047	9.1
Metalworking machinery.....	4,372	4,315	4,348	1.3	-0.8	-0.3	4,433	4,439	4,434	4,342	2.1
Turbines, generators, and other power transmission equipment.....	4,824	4,762	4,717	1.3	1.0	2.4	4,864	4,864	4,756	4,157	17.0
Material handling equipment.....	2,504	2,445	2,419	2.4	1.1	1.0	2,519	2,458	2,389	2,337	7.8
Computers and electronic products.....	49,611	48,998	48,583	1.3	0.9	0.7	49,401	50,061	49,462	46,467	6.3
Computers.....	2,789	2,614	2,520	6.7	3.7	2.3	2,996	2,752	2,481	2,687	11.5
Computer storage devices.....	1,283	1,238	1,226	3.6	1.0	0.9	1,198	1,322	1,263	1,116	7.3
Other peripheral equipment.....	2,404	2,431	2,457	-1.1	-1.1	2.2	2,376	2,563	2,504	2,322	2.3
Nondefense communications equipment.....	9,561	9,667	9,536	-1.1	1.4	2.0	9,512	9,884	9,696	9,634	-1.3
Defense communications equipment.....	1,183	1,216	1,176	-2.7	3.4	-5.9	1,183	1,216	1,176	1,373	-13.8
Audio and video equipment.....	1,119	1,089	1,058	2.8	2.9	4.3	1,237	1,168	1,106	1,053	17.5
Semiconductors ¹	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Electronic components.....	8,259	7,927	8,004	4.2	-1.0	0.7	8,167	7,903	8,292	6,870	18.9
Nondefense search and navigation equipment.....	2,511	2,473	2,439	1.5	1.4	-1.3	2,505	2,494	2,485	2,574	-2.7
Defense search and navigation equipment.....	2,895	2,847	2,863	1.7	-0.6	-1.6	2,901	2,907	2,900	2,771	4.7
Electromedical, measuring and control instruments.....	10,277	10,261	10,251	0.2	0.1	0.1	10,141	10,483	10,278	10,100	0.4
Electrical equipment, appliances, and components.....	13,036	13,047	12,820	-0.1	1.8	1.5	12,676	13,024	12,847	11,935	6.2
Electric lighting equipment.....	1,485	1,481	1,456	0.3	1.7	0.1	1,485	1,512	1,511	1,402	5.9
Household appliances.....	2,374	2,399	2,306	-1.0	4.0	4.2	2,260	2,350	2,316	1,925	17.4
Electrical equipment.....	4,493	4,485	4,450	0.2	0.8	0.6	4,326	4,479	4,395	3,885	11.4
Batteries.....	642	623	602	3.0	3.5	0.7	649	655	630	596	8.9
Transportation equipment.....	68,420	69,055	69,249	-0.9	-0.3	1.1	68,814	70,089	70,071	67,711	1.6
Automobiles.....	2,258	2,246	2,124	0.5	5.7	-2.7	2,332	2,328	2,241	1,938	20.3
Light trucks and utility vehicles.....	2,622	2,493	2,428	5.2	2.7	-3.1	2,694	2,617	2,523	2,269	18.7
Heavy duty trucks.....	808	804	796	0.5	1.0	-0.9	835	833	798	765	9.2
Motor vehicle bodies, parts, and trailers.....	16,188	16,123	16,130	0.4	0.0	0.4	16,171	16,114	16,285	15,294	5.7
Nondefense aircraft and parts.....	23,062	24,165	24,426	-4.6	-1.1	3.8	23,193	24,661	24,513	25,086	-7.5
Defense aircraft and parts.....	11,689	11,514	11,609	1.5	-0.8	-0.6	11,762	11,706	11,857	10,971	7.2
Ships and boats.....	3,259	3,136	3,133	3.9	0.1	-4.1	3,239	3,126	3,153	2,802	15.6
Furniture and related products.....	8,339	8,274	8,185	0.8	1.1	0.8	8,378	8,409	8,393	7,698	8.8
Miscellaneous durable goods.....	19,750	19,728	19,609	0.1	0.6	1.0	19,830	20,089	19,773	18,858	5.2
Nondurable goods industries.....	185,076	184,856	183,847	0.1	0.5	0.8	186,436	186,047	184,512	177,676	4.9
Food products.....	33,791	33,914	34,013	-0.4	-0.3	-0.1	34,337	34,115	33,509	33,781	1.6
Grain and oilseed milling.....	2,941	2,822	2,849	4.2	-0.9	-9.4	2,791	2,619	2,676	3,459	-19.3
Dairy products.....	3,975	3,985	4,044	-0.3	-1.5	-1.6	3,955	4,046	4,205	3,488	13.4
Meat, poultry, and seafood products.....	6,311	6,415	6,391	-1.6	0.4	0.8	6,348	6,349	6,340	6,179	2.7
Beverage and tobacco products.....	15,114	15,147	14,648	-0.2	3.4	-0.6	15,344	14,647	14,006	15,065	1.9
Beverages.....	10,402	10,479	10,037	-0.7	4.4	-0.6	10,623	10,173	9,710	10,220	3.9
Tobacco.....	4,712	4,668	4,611	0.9	1.2	-0.5	4,721	4,474	4,296	4,845	-2.6
Textile mills.....	4,844	4,828	4,826	0.3	0.0	-0.8	4,757	4,858	4,907	5,035	-5.5
Textile products.....	5,219	5,199	5,189	0.4	0.2	0.7	5,262	5,224	5,236	5,080	3.6
Apparel.....	7,285	7,154	7,018	1.8	1.9	1.0	7,449	7,358	7,358	7,393	0.8
Leather and allied products.....	1,602	1,594	1,606	0.5	-0.7	-1.4	1,632	1,632	1,651	1,689	-3.4
Paper products.....	14,665	14,744	14,644	-0.5	0.7	2.1	14,637	14,738	14,628	14,743	-0.7
Pulp, paper, and paperboard mills.....	6,301	6,254	6,300	0.8	-0.7	2.9	6,260	6,232	6,283	6,622	-5.5
Paperboard containers.....	4,298	4,440	4,339	-3.2	2.3	2.4	4,326	4,446	4,341	4,138	4.5
Printing.....	6,652	6,537	6,462	1.8	1.2	1.0	7,000	6,974	6,780	6,511	7.5
Petroleum and coal products.....	17,370	17,461	17,770	-0.5	-1.7	4.8	17,861	17,846	18,259	16,096	11.0
Petroleum refineries.....	15,648	15,773	16,115	-0.8	-2.1	5.0	16,134	16,091	16,526	14,601	10.5
Basic chemicals.....	56,120	56,279	56,109	-0.3	0.3	-0.1	55,934	56,856	56,562	52,378	6.8
Pesticides, fertilizers, and other agricultural chemicals.....	2,369	2,382	2,396	-0.5	-0.6	-0.1	2,117	2,057	2,083	2,046	3.5
Pharmaceuticals and medicines.....	23,236	23,414	23,524	-0.8	-0.5	-1.6	23,319	24,059	23,986	21,119	10.4
Paints, coatings, and adhesives.....	2,855	2,838	2,830	0.6	0.3	0.3	2,808	2,826	2,856	2,739	2.5
Plastics and rubber products.....	22,414	21,999	21,562	1.9	2.0	1.7	22,223	21,799	21,616	19,905	11.6

^P Preliminary^r Revised

NA Not available.

¹ Inventories for semiconductor industry data are included in computers and electronic products and total durable goods industries, but are not shown separately.

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

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

[Millions of Dollars]

Industry	Seasonally Adjusted						Not Seasonally Adjusted ²						
	Monthly			Percent Change			Monthly			Year to date		Percent Change ⁶ 2004/ 2003	
	Sept. 2004 ^p	Aug. 2004 ^r	July 2004	Aug. - Sept.	July - Aug.	June - July	Sept. 2004 ^p	Aug. 2004 ^r	July 2004	Sept. 2003	2004 ^p		2003
SHIPMENTS													
All manufacturing industries	371,302	375,537	372,105	-1.1	0.9	0.9	392,524	382,018	344,364	357,911	3,288,297	2,963,725	11.0
Construction materials and supplies.....	39,859	40,183	39,457	-0.8	1.8	0.9	42,555	43,413	39,460	38,136	354,123	315,669	12.2
Information technology.....	30,277	31,562	30,887	-4.1	2.2	3.1	35,187	29,437	27,200	34,406	269,441	243,035	10.9
Computers and related products	8,130	8,574	8,643	-5.2	-0.8	6.5	10,066	7,784	8,064	10,317	74,000	66,266	11.7
Motor vehicle and parts.....	38,261	38,617	36,671	-0.9	5.3	-3.9	40,825	39,974	24,938	40,367	347,987	329,752	5.5
Capital goods.....	71,721	72,997	71,777	-1.7	1.7	2.0	78,984	69,975	65,156	73,771	633,292	568,359	11.4
Nondefense capital goods ³	63,649	64,571	63,458	-1.4	1.8	1.8	70,302	61,826	57,396	65,256	559,133	501,033	11.6
Excluding aircraft.....	61,069	61,960	61,415	-1.4	0.9	2.3	67,544	59,497	55,875	62,456	537,665	478,662	12.3
Defense capital goods ⁴	8,072	8,426	8,319	-4.2	1.3	3.5	8,682	8,149	7,760	8,515	74,159	67,326	10.1
Consumer goods.....	140,491	142,250	141,038	-1.2	0.9	-0.1	146,613	146,980	130,486	134,526	1,248,427	1,132,169	10.3
Consumer durable goods.....	34,884	34,956	33,120	-0.2	5.5	-5.2	37,428	35,805	24,481	36,708	313,848	295,299	6.3
Consumer nondurable goods.....	105,607	107,294	107,918	-1.6	-0.6	1.6	109,185	111,175	106,005	97,818	934,579	836,870	11.7
NEW ORDERS													
All manufacturing industries ⁵	368,254	369,574	370,838	-0.4	-0.3	1.7	384,859	371,988	341,356	349,573	3,254,405	2,916,053	11.6
Construction materials and supplies.....	39,524	40,408	39,070	-2.2	3.4	0.4	41,369	43,650	39,016	38,183	358,708	316,143	13.5
Information technology.....	34,603	31,077	30,137	11.3	3.1	-2.3	39,269	26,665	25,903	35,713	275,917	251,302	9.8
Computers and related products	8,709	8,331	8,261	4.5	0.8	-5.1	10,576	7,657	7,453	10,327	73,903	66,978	10.3
Motor vehicle and parts.....	38,199	38,878	36,723	-1.7	5.9	-4.5	40,496	39,985	25,189	40,615	349,059	329,664	5.9
Capital goods.....	76,073	73,402	78,012	3.6	-5.9	6.0	81,808	66,489	68,504	73,036	650,201	576,246	12.8
Nondefense capital goods ³	65,512	65,015	69,879	0.8	-7.0	9.3	71,899	60,158	63,213	65,753	573,695	503,596	13.9
Excluding aircraft.....	63,439	61,730	61,322	2.8	0.7	0.6	69,349	56,840	55,655	63,124	546,388	486,478	12.3
Defense capital goods ⁴	10,561	8,387	8,133	25.9	3.1	-15.8	9,909	6,331	5,291	7,283	76,506	72,650	5.3
Consumer goods.....	140,793	142,471	140,998	-1.2	1.0	-0.1	146,808	147,063	130,746	134,459	1,249,069	1,131,933	10.3
Consumer durable goods.....	35,186	35,177	33,080	0.0	6.3	-5.2	37,623	35,888	24,741	36,641	314,490	295,063	6.6
Consumer nondurable goods.....	105,607	107,294	107,918	-1.6	-0.6	1.6	109,185	111,175	106,005	97,818	934,579	836,870	11.7
UNFILLED ORDERS													
All manufacturing industries ⁵	539,342	535,310	533,792	0.8	0.3	1.2	531,475	531,238	533,998	484,496	(X)	(X)	9.7
Construction materials and supplies.....	36,800	37,135	36,910	-0.9	0.6	-1.0	36,454	37,640	37,403	31,607	(X)	(X)	15.3
Information technology.....	127,996	123,670	124,155	3.5	-0.4	-0.6	125,648	121,566	124,338	115,521	(X)	(X)	8.8
Computers and related products	8,674	8,095	8,338	7.2	-2.9	-4.4	8,708	8,198	8,325	8,836	(X)	(X)	-1.4
Motor vehicle and parts.....	15,275	15,337	15,076	-0.4	1.7	0.3	14,692	15,021	15,010	12,045	(X)	(X)	22.0
Capital goods.....	380,646	376,294	375,889	1.2	0.1	1.7	374,706	371,882	375,368	346,598	(X)	(X)	8.1
Nondefense capital goods ³	236,552	234,689	234,245	0.8	0.2	2.8	234,109	232,512	234,180	215,965	(X)	(X)	8.4
Excluding aircraft.....	150,279	147,909	148,139	1.6	-0.2	-0.1	148,007	146,202	148,859	136,087	(X)	(X)	8.8
Defense capital goods ⁴	144,094	141,605	141,644	1.8	0.0	-0.1	140,597	139,370	141,188	130,633	(X)	(X)	7.6
Consumer goods.....	13,342	13,040	12,819	2.3	1.7	-0.3	13,253	13,058	12,975	11,631	(X)	(X)	13.9
Consumer durable goods.....	13,342	13,040	12,819	2.3	1.7	-0.3	13,253	13,058	12,975	11,631	(X)	(X)	13.9
TOTAL INVENTORIES													
All manufacturing industries	463,262	461,975	458,681	0.3	0.7	1.0	463,958	465,926	461,464	438,210	(X)	(X)	5.9
Construction materials and supplies.....	50,543	50,143	49,530	0.8	1.2	1.7	50,054	50,146	49,606	45,857	(X)	(X)	9.2
Information technology.....	39,960	39,783	39,415	0.4	0.9	0.6	39,938	40,717	39,771	39,648	(X)	(X)	0.7
Computers and related products	6,476	6,283	6,203	3.1	1.3	2.0	6,570	6,637	6,248	6,125	(X)	(X)	7.3
Motor vehicle and parts.....	21,876	21,666	21,478	1.0	0.9	-0.4	22,032	21,892	21,847	20,266	(X)	(X)	8.7
Capital goods.....	128,545	128,857	128,454	-0.2	0.3	1.1	128,290	130,778	129,098	123,999	(X)	(X)	3.5
Nondefense capital goods ³	109,124	109,575	109,066	-0.4	0.5	1.6	108,832	111,274	109,493	105,299	(X)	(X)	3.4
Excluding aircraft.....	92,419	91,960	91,292	0.5	0.7	0.9	91,960	93,292	91,727	87,425	(X)	(X)	5.2
Defense capital goods ⁴	19,421	19,282	19,388	0.7	-0.5	-1.7	19,458	19,504	19,605	18,700	(X)	(X)	4.1
Consumer goods.....	142,785	142,721	142,059	0.0	0.5	0.5	144,435	144,116	142,637	137,069	(X)	(X)	5.4
Consumer durable goods.....	29,751	29,461	28,900	1.0	1.9	0.8	29,853	29,912	29,317	26,980	(X)	(X)	10.6
Consumer nondurable goods.....	113,034	113,260	113,159	-0.2	0.1	0.5	114,582	114,204	113,320	110,089	(X)	(X)	4.1

^p Preliminary ^r Revised X Not Applicable.

¹ Topical series are regroupings of the separate industry categories.

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

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

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

⁵ Estimates and percent changes exclude semiconductor industry data.

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

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

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

[Millions of Dollars]

Industry	Seasonally Adjusted						Not Seasonally Adjusted				
	Monthly			Percent Change			Monthly				Percent Change Sept. 04/03
	Sept. 2004 ^p	Aug. 2004 ^r	July 2004	Aug. - Sept.	July - Aug.	June - July	Sept. 2004 ^p	Aug. 2004 ^r	July 2004	Sept. 2003	
<u>MATERIALS AND SUPPLIES</u>											
All manufacturing industries	152,305	151,410	150,674	0.6	0.5	1.2	152,518	151,651	151,629	142,996	6.7
Durable goods industries	91,612	90,650	89,972	1.1	0.8	1.1	91,873	91,218	90,862	83,669	9.8
Wood products.....	3,976	3,953	3,915	0.6	1.0	1.8	4,063	3,879	3,749	3,598	12.9
Nonmetallic mineral products.....	3,350	3,359	3,375	-0.3	-0.5	0.9	3,366	3,384	3,384	3,396	-0.9
Primary metals.....	7,760	7,590	7,349	2.2	3.3	2.2	7,891	7,657	7,427	5,896	33.8
Fabricated metal products.....	13,096	12,825	12,442	2.1	3.1	2.9	13,178	12,933	12,501	11,048	19.3
Machinery.....	13,317	13,154	13,011	1.2	1.1	0.7	13,277	13,257	13,133	12,408	7.0
Computers and electronic products	17,322	17,018	17,182	1.8	-1.0	0.5	17,343	17,135	17,470	16,371	5.9
Electrical equipment, appliances, and components.....	4,785	4,781	4,672	0.1	2.3	1.0	4,687	4,751	4,658	4,540	3.2
Transportation equipment.....	17,745	17,835	17,894	-0.5	-0.3	0.6	17,800	17,944	18,238	17,002	4.7
Furniture and related products.....	3,647	3,555	3,586	2.6	-0.9	2.7	3,644	3,574	3,629	3,192	14.2
Miscellaneous products.....	6,614	6,580	6,546	0.5	0.5	-1.1	6,624	6,704	6,673	6,218	6.5
Nondurable goods industries.....	60,693	60,760	60,702	-0.1	0.1	1.3	60,645	60,433	60,767	59,327	2.2
Food products.....	9,693	9,503	9,632	2.0	-1.3	-1.3	9,459	9,227	9,525	10,151	-6.8
Beverage and tobacco products.....	5,403	5,346	5,174	1.1	3.3	-1.7	5,326	5,143	4,969	5,520	-3.5
Textiles.....	1,353	1,354	1,354	-0.1	0.0	-1.0	1,333	1,352	1,365	1,383	-3.6
Textile products.....	1,863	1,873	1,874	-0.5	-0.1	1.3	1,910	1,906	1,910	1,743	9.6
Apparel.....	1,661	1,646	1,624	0.9	1.4	-0.1	1,640	1,633	1,626	1,643	-0.2
Leather and allied products.....	447	451	451	-0.9	0.0	-0.9	455	465	468	444	2.5
Paper products.....	6,490	6,509	6,703	-0.3	-2.9	1.3	6,530	6,484	6,668	6,841	-4.5
Printing	2,906	2,881	2,877	0.9	0.1	0.2	3,040	2,952	2,963	2,865	6.1
Petroleum and coal products.....	5,537	5,544	5,771	-0.1	-3.9	12.7	5,547	5,555	5,910	5,025	10.4
Basic chemicals.....	17,459	17,819	17,571	-2.0	1.4	0.8	17,528	17,873	17,624	16,526	6.1
Plastics and rubber products.....	7,881	7,834	7,671	0.6	2.1	1.5	7,877	7,843	7,739	7,186	9.6
<u>WORK IN PROCESS</u>											
All manufacturing industries	131,245	132,238	132,313	-0.8	-0.1	0.9	131,769	133,737	132,765	127,550	3.3
Durable goods industries	99,721	100,591	100,638	-0.9	0.0	1.7	99,918	102,049	101,233	95,818	4.3
Wood products.....	1,972	1,938	1,989	1.8	-2.6	0.2	1,967	1,934	1,987	1,961	0.3
Nonmetallic mineral products.....	1,168	1,180	1,164	-1.0	1.4	-1.6	1,130	1,177	1,167	1,163	-2.8
Primary metals.....	6,571	6,458	6,226	1.7	3.7	0.8	6,592	6,465	6,269	5,800	13.7
Fabricated metal products.....	9,750	9,711	9,762	0.4	-0.5	0.0	9,770	9,854	9,869	9,303	5.0
Machinery.....	15,701	15,678	15,665	0.1	0.1	1.5	15,770	16,045	15,769	14,670	7.5
Computers and electronic products	19,625	19,835	19,559	-1.1	1.4	1.8	19,583	20,291	19,887	17,552	11.6
Electrical equipment, appliances, and components.....	3,028	3,041	2,993	-0.4	1.6	-0.8	2,953	3,062	3,024	2,817	4.8
Transportation equipment.....	37,155	37,931	38,474	-2.0	-1.4	2.0	37,357	38,312	38,371	38,132	-2.0
Furniture and related products.....	1,571	1,656	1,597	-5.1	3.7	-0.7	1,569	1,665	1,616	1,543	1.7
Miscellaneous products.....	3,180	3,163	3,209	0.5	-1.4	10.8	3,227	3,244	3,274	2,877	12.2
Nondurable goods industries.....	31,524	31,647	31,675	-0.4	-0.1	-1.4	31,851	31,688	31,532	31,732	0.4
Food products.....	3,237	3,377	3,275	-4.1	3.1	1.5	3,118	3,147	3,033	2,890	7.9
Beverage and tobacco products.....	4,940	4,994	4,801	-1.1	4.0	-1.4	5,160	4,616	4,296	4,895	5.4
Textiles.....	1,272	1,267	1,257	0.4	0.8	-0.4	1,267	1,262	1,265	1,290	-1.8
Textile products.....	668	682	689	-2.1	-1.0	-0.7	669	686	692	730	-8.4
Apparel.....	1,199	1,176	1,137	2.0	3.4	-0.7	1,170	1,168	1,172	1,190	-1.7
Leather and allied products.....	166	170	161	-2.4	5.6	-5.8	163	168	160	167	-2.4
Paper products.....	1,277	1,277	1,251	0.0	2.1	2.9	1,286	1,310	1,275	1,183	8.7
Printing	1,839	1,789	1,762	2.8	1.5	1.7	1,957	2,013	1,931	1,829	7.0
Petroleum and coal products.....	3,475	3,476	3,860	0.0	-9.9	3.0	3,576	3,564	4,016	4,301	-16.9
Basic chemicals.....	10,808	10,823	10,885	-0.1	-0.6	-5.2	10,841	11,166	11,119	10,777	0.6
Plastics and rubber products.....	2,643	2,616	2,597	1.0	0.7	0.7	2,644	2,588	2,573	2,480	6.6
<u>FINISHED GOODS</u>											
All manufacturing industries	179,712	178,327	175,694	0.8	1.5	0.8	179,671	180,538	177,070	167,664	7.2
Durable goods industries	86,853	85,878	84,224	1.1	2.0	0.4	85,731	86,612	84,857	81,047	5.8
Wood products.....	4,453	4,427	4,326	0.6	2.3	-0.6	4,234	4,256	4,252	3,717	13.9
Nonmetallic mineral products.....	4,851	4,824	4,764	0.6	1.3	2.0	4,729	4,806	4,799	5,008	-5.6
Primary metals.....	5,638	5,595	5,495	0.8	1.8	0.6	5,585	5,545	5,491	5,678	-1.6
Fabricated metal products.....	11,518	11,469	11,266	0.4	1.8	2.0	11,293	11,397	11,299	10,305	9.6
Machinery.....	15,909	15,856	15,639	0.3	1.4	1.0	15,578	15,618	15,310	13,914	12.0
Computers and electronic products	12,664	12,145	11,842	4.3	2.6	-0.6	12,475	12,635	12,105	12,544	-0.6
Electrical equipment, appliances, and components.....	5,223	5,225	5,155	0.0	1.4	3.4	5,036	5,211	5,165	4,578	10.0
Transportation equipment.....	13,520	13,289	12,881	1.7	3.2	-1.1	13,657	13,833	13,462	12,577	8.6
Furniture and related products.....	3,121	3,063	3,002	1.9	2.0	-0.5	3,165	3,170	3,148	2,963	6.8
Miscellaneous products.....	9,956	9,985	9,854	-0.3	1.3	-0.5	9,979	10,141	9,826	9,763	2.2
Nondurable goods industries.....	92,859	92,449	91,470	0.4	1.1	1.2	93,940	93,926	92,213	86,617	8.5
Food products.....	20,861	21,034	21,106	-0.8	-0.3	0.2	21,760	21,741	20,951	20,740	4.9
Beverage and tobacco products.....	4,771	4,807	4,673	-0.7	2.9	1.5	4,858	4,888	4,741	4,650	4.5
Textiles.....	2,219	2,207	2,215	0.5	-0.4	-0.8	2,157	2,244	2,277	2,362	-8.7
Textile products.....	2,688	2,644	2,626	1.7	0.7	0.7	2,683	2,632	2,634	2,607	2.9
Apparel.....	4,425	4,332	4,257	2.1	1.8	1.9	4,639	4,557	4,560	4,560	1.7
Leather and allied products.....	989	973	994	1.6	-2.1	-0.9	1,014	999	1,023	1,078	-5.9
Paper products.....	6,898	6,958	6,690	-0.9	4.0	2.8	6,821	6,944	6,685	6,719	1.5
Printing	1,907	1,867	1,823	2.1	2.4	1.5	2,003	2,009	1,886	1,817	10.2
Petroleum and coal products.....	8,358	8,441	8,139	-1.0	3.7	0.6	8,738	8,727	8,333	6,770	29.1
Basic chemicals.....	27,853	27,637	27,653	0.8	-0.1	1.4	27,565	27,817	27,819	25,075	9.9
Plastics and rubber products.....	11,890	11,549	11,294	3.0	2.3	2.0	11,702	11,368	11,304	10,239	14.3

^p Preliminary^r Revised

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

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

[Based on Seasonally Adjusted data]

Industry	Inventory/Shipments ratio				Unfilled Orders/Shipments ratio ¹			
	Sep 2004 ^p	Aug 2004 ^r	Jul 2004	Jun 2004	Sep 2004 ^p	Aug 2004 ^r	Jul 2004	Jun 2004
All manufacturing industries ²	1.25	1.23	1.23	1.23	(X)	(X)	(X)	(X)
Durable goods industries ²	1.40	1.38	1.39	1.38	3.97	3.90	3.92	3.94
Wood products.....	1.10	1.06	1.12	1.11	(X)	(X)	(X)	(X)
Nonmetallic mineral products.....	1.27	1.24	1.23	1.23	(X)	(X)	(X)	(X)
Primary metals.....	1.37	1.35	1.34	1.37	1.39	1.39	1.39	1.37
Fabricated metal products.....	1.48	1.47	1.44	1.44	1.99	2.01	1.99	2.03
Machinery.....	1.77	1.80	1.76	1.80	2.15	2.17	2.13	2.20
Computers and electronic products ² ..	1.29	1.23	1.23	1.26	5.11	4.83	4.92	5.07
Electrical equipment, appliances, and components.....	1.47	1.42	1.42	1.44	1.83	1.73	1.73	1.80
Transportation equipment.....	1.27	1.26	1.33	1.26	7.66	7.49	7.59	7.33
Furniture and related products.....	1.36	1.31	1.26	1.31	1.14	1.09	1.06	1.14
Miscellaneous products.....	1.72	1.74	1.72	1.66	(X)	(X)	(X)	(X)
Nondurable goods industries.....	1.07	1.06	1.05	1.06	(X)	(X)	(X)	(X)
Food products.....	0.83	0.83	0.81	0.82	(X)	(X)	(X)	(X)
Beverage and tobacco products.....	1.64	1.63	1.62	1.56	(X)	(X)	(X)	(X)
Textiles.....	1.39	1.38	1.38	1.46	(X)	(X)	(X)	(X)
Textile products.....	1.67	1.65	1.65	1.65	(X)	(X)	(X)	(X)
Apparel.....	1.55	1.54	1.47	1.45	(X)	(X)	(X)	(X)
Leather and allied products.....	1.82	1.76	1.79	1.79	(X)	(X)	(X)	(X)
Paper products.....	1.02	1.00	1.00	0.97	(X)	(X)	(X)	(X)
Printing.....	0.84	0.84	0.81	0.78	(X)	(X)	(X)	(X)
Petroleum and coal products.....	0.61	0.60	0.62	0.63	(X)	(X)	(X)	(X)
Basic chemicals.....	1.33	1.32	1.31	1.33	(X)	(X)	(X)	(X)
Plastics and rubber products.....	1.30	1.28	1.27	1.25	(X)	(X)	(X)	(X)

^p Preliminary

^r Revised

X Not Applicable

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

² Unfilled orders to shipments ratio excludes semiconductor manufacturing.

Table 8. Revisions to Previously Published Monthly Percent Changes

[Based on Seasonally Adjusted data]

Industry	Shipments		New Orders		Unfilled Orders		Inventories	
	Sep ¹ 2004	Sep ² 2003-Aug 2004	Sep ¹ 2004	Sep ² 2003-Aug 2004	Sep ¹ 2004	Sep ² 2003-Aug 2004	Sep ¹ 2004	Sep ² 2003-Aug 2004
All manufacturing industries.....	(X)	0.4	(X)	0.6	(X)	0.1	(X)	0.1
Durable goods industries.....	0.0	0.3	0.0	0.7	0.1	0.1	0.1	0.2
Wood products.....	(X)	0.8	(X)	(NA)	(X)	(NA)	(X)	0.5
Nonmetallic mineral products.....	(X)	1.1	(X)	(NA)	(X)	(NA)	(X)	0.6
Primary metals.....	-0.1	0.7	0.1	1.6	0.2	0.9	0.1	0.2
Fabricated metal products.....	0.0	0.4	-0.1	1.5	0.0	0.6	0.3	0.4
Machinery.....	0.3	0.8	0.2	1.4	0.3	0.4	-0.1	0.2
Computers and electronic products.....	0.1	0.8	0.3	1.6	0.0	0.3	0.3	0.3
Electrical equipment, appliances, and components.....	0.2	0.4	1.7	0.8	0.9	0.5	-0.3	0.4
Transportation equipment.....	-0.3	0.3	-0.3	0.6	0.0	0.1	0.2	0.1
Furniture and related products.....	(X)	0.7	(X)	0.8	(X)	0.9	(X)	0.4
Miscellaneous products.....	(X)	0.6	(X)	0.9	(X)	1.0	(X)	0.4
Nondurable goods industries.....	(X)	0.5	(X)	(NA)	(X)	(NA)	(X)	0.2
Food products.....	(X)	0.7	(X)	(NA)	(X)	(NA)	(X)	0.3
Beverage and tobacco products.....	(X)	0.8	(X)	(NA)	(X)	(NA)	(X)	0.5
Textiles.....	(X)	0.6	(X)	(NA)	(X)	(NA)	(X)	0.4
Textile products.....	(X)	0.6	(X)	(NA)	(X)	(NA)	(X)	0.4
Apparel.....	(X)	0.7	(X)	(NA)	(X)	(NA)	(X)	0.5
Leather and allied products.....	(X)	2.1	(X)	(NA)	(X)	(NA)	(X)	1.4
Paper products.....	(X)	0.7	(X)	(NA)	(X)	(NA)	(X)	0.2
Printing.....	(X)	0.7	(X)	(NA)	(X)	(NA)	(X)	0.5
Petroleum and coal products.....	(X)	1.4	(X)	(NA)	(X)	(NA)	(X)	1.0
Basic chemicals.....	(X)	0.5	(X)	(NA)	(X)	(NA)	(X)	0.3
Plastics and rubber products.....	(X)	0.5	(X)	(NA)	(X)	(NA)	(X)	0.4

X Not Applicable

NA Not Available

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

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

Survey Description

This report is compiled from results of the U.S. Census Bureau's Manufacturers' Shipments, Inventories, and Orders (M3) survey. This survey provides statistics on manufacturers' value of shipments, new orders (net of cancellations), end-of-month order backlog (unfilled orders), end-of-month total inventory (at current cost or market value), and inventories by stage of fabrication (materials and supplies, work-in-process, and finished goods). The M3 includes approximately 4,000 reporting units. Units may be divisions of diversified large companies, large homogenous companies, or single-unit manufacturers in 89 industry categories. Due to the small monthly sample, these 89 categories have been combined into 59 publication levels. The survey methodology assumes that the month-to-month changes of the total operations of those companies in the monthly survey effectively represent the month-to-month movements of all establishments that make up the category. The current coverage levels in the survey show that reported data in the monthly survey represent approximately 60 percent of the shipments estimates at the total manufacturing level. Data published represent manufacturing in a calendar month. The data collection is based on a voluntary survey authorized by Title 13 of the United States Code.

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

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

2005 Release Dates for M3 Survey

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