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Chris Savage or Jessica Young
Manufacturing and Construction Division
(301) 763-4832

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Full Report on Manufacturers' Shipments, Inventories and Orders August 2008

Summary

New orders for manufactured goods in August, down following five consecutive monthly increases, decreased \$18.6 billion or 4.0 percent to \$444.4 billion, the U.S. Census Bureau reported today. This was the largest percent decrease in new orders since October 2006 and followed a 0.7 percent July increase.

Shipments, down following five consecutive monthly increases, decreased \$16.4 billion or 3.5 percent to \$446.0 billion. This was the largest percent decrease in shipments since September 2006 and followed a 1.4 percent July increase.

Unfilled orders, up thirty of the last thirty-one months, increased \$3.0 billion or 0.4 percent to \$827.2 billion. This was at the highest level since the series was first stated on a NAICS basis in 1992 and followed a 0.8 percent July increase. The unfilled orders-to-shipments ratio was 5.48, up from 5.25 in July.

Inventories, up eleven of the twelve months, increased \$3.4 billion or 0.6 percent to \$562.5 billion. This was also at the highest level since the series was first stated on a NAICS basis in 1992 and followed a 0.6 percent July increase. The inventories-to-shipments ratio was 1.26, up from 1.21 in July.

New Orders

New orders for manufactured durable goods in August, down following three consecutive monthly increases, decreased \$10.6 billion or 4.8 percent to \$207.6 billion, revised from the previously published 4.5 percent decrease. This followed a 0.7 percent July increase.

Transportation equipment, down two of the last three months, had the largest decrease, \$5.2 billion or 9.1 percent to \$52.1 billion.

New orders for manufactured nondurable goods decreased \$8.0 billion or 3.3 percent to \$236.8 billion.

Shipments

Shipments of manufactured durable goods in August, down following two consecutive monthly increases, decreased \$8.3 billion or 3.8 percent to \$209.2 billion, revised from the previously published 3.5 percent decrease. This followed a 2.2 percent July increase.

Transportation equipment, down following two consecutive monthly increases, had the largest decrease, \$4.4 billion or 8.0 percent to \$49.8 billion.

Shipments of manufactured nondurable goods, down following five consecutive monthly increases, decreased \$8.0 billion or 3.3 percent to \$236.8 billion. This was the largest percent decrease in nondurable goods shipments since September 2006 and followed a 0.8 percent July increase. This decrease was led by petroleum and coal products, which decreased \$6.0 billion or 8.5 percent to \$64.3 billion.

Unfilled Orders

Unfilled orders for manufactured durable goods in August, up thirty of the last thirty-one months, increased \$3.0 billion or 0.4 percent to \$827.2 billion, unchanged from the previously published increase. This was also at the highest level since the series was first stated on a NAICS basis in 1992 and followed a 0.8 percent July increase.

Transportation equipment, up twenty-six of the last twenty-seven months, had the largest increase, \$2.3 billion or 0.5 percent to \$466.5 billion.

Inventories

Inventories of manufactured durable goods in August, up thirteen of the last fourteen months, increased \$2.7 billion or 0.8 percent to \$338.8 billion, revised from the previously 0.7 percent increase. This was also at the highest level since the series was first stated on a NAICS basis in 1992 and followed a 0.9 percent July increase.

Primary metals, up nine consecutive months, had the largest increase, \$1.0 billion or 3.0 percent to \$35.1 billion.

Inventories of manufactured nondurable goods, up nine of the last ten months, increased \$0.7 billion or 0.3 percent to \$223.6 billion. This followed a 0.2 percent July increase. Chemical products led the increase, up \$0.7 billion or 1.0 percent to \$69.8 billion.

By stage of fabrication, August materials and supplies increased 0.3 percent in durable goods and decreased 0.3 percent in nondurable goods. Work in process increased 1.1 percent in durable goods and 0.4 percent in nondurable goods. Finished goods increased 1.0 percent in durable goods and 0.8 percent in nondurable goods.

Figures in text 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 September is scheduled for release on October 29, 2008, at 8:30 a.m. EDT and the full report on November 4, 2008, at 10:00 a.m. EST. See back page for survey description and 2009 release dates.

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 | | |
| | Aug. 2008 ^p | July 2008 ^r | June 2008 | July - Aug. | June - July | May - June | Aug. 2008 ^p | July 2008 ^r | June 2008 | Aug. 2007 | 2008 ^p | 2007 | Percent 2008/2007 |
| All manufacturing industries..... | 446,020 | 462,379 | 455,873 | -3.5 | 1.4 | 1.9 | 457,307 | 448,540 | 479,381 | 444,427 | 3,562,521 | 3,357,057 | 6.1 |
| Excluding transportation..... | 396,190 | 408,195 | 402,908 | -2.9 | 1.3 | 1.9 | 406,176 | 406,273 | 421,407 | 379,920 | 3,140,057 | 2,894,381 | 8.5 |
| Excluding defense..... | 434,315 | 450,281 | 444,117 | -3.5 | 1.4 | 2.0 | 445,799 | 437,474 | 466,796 | 434,729 | 3,472,082 | 3,283,267 | 5.8 |
| With unfilled orders..... | 151,026 | 156,983 | 154,343 | -3.8 | 1.7 | 1.6 | 152,518 | 145,033 | 167,415 | 156,229 | 1,214,305 | 1,186,111 | 2.4 |
| Durable goods industries..... | 209,239 | 217,549 | 212,947 | -3.8 | 2.2 | 0.9 | 211,388 | 199,721 | 229,644 | 225,962 | 1,693,811 | 1,705,334 | -0.7 |
| Wood products..... | 8,141 | 8,249 | 8,299 | -1.3 | -0.6 | 2.9 | 8,714 | 8,493 | 9,240 | 9,404 | 65,804 | 68,884 | -4.5 |
| Nonmetallic mineral products..... | 9,318 | 9,433 | 9,397 | -1.2 | 0.4 | 1.5 | 10,013 | 9,856 | 10,045 | 10,891 | 74,994 | 81,548 | -8.0 |
| Primary metals..... | 23,446 | 23,933 | 23,124 | -2.0 | 3.5 | 3.7 | 23,875 | 23,312 | 24,441 | 20,940 | 182,304 | 163,752 | 11.3 |
| Iron and steel mills..... | 12,648 | 12,944 | 12,347 | -2.3 | 4.8 | 6.9 | 12,684 | 12,521 | 13,060 | 9,661 | 93,771 | 77,795 | 20.5 |
| Aluminum and nonferrous metals..... | 8,908 | 9,087 | 8,939 | -2.0 | 1.7 | 0.6 | 9,224 | 8,947 | 9,382 | 9,503 | 73,994 | 72,333 | 1.9 |
| Ferrous metal foundries..... | 1,890 | 1,902 | 1,838 | -0.6 | 3.5 | -0.9 | 1,967 | 1,844 | 1,999 | 1,776 | 14,839 | 13,624 | 8.9 |
| Fabricated metal products..... | 28,053 | 28,578 | 28,025 | -1.8 | 2.0 | 1.2 | 29,729 | 28,286 | 29,564 | 30,028 | 223,696 | 220,377 | 1.5 |
| Machinery..... | 28,889 | 29,143 | 29,469 | -0.9 | -1.1 | 2.2 | 28,039 | 28,204 | 31,657 | 27,712 | 233,892 | 220,396 | 6.1 |
| Farm machinery..... | 2,595 | 2,501 | 2,244 | 3.8 | 11.5 | -1.5 | 2,336 | 2,442 | 2,205 | 1,769 | 19,510 | 16,007 | 21.9 |
| Construction machinery..... | 2,455 | 2,445 | 2,387 | 0.4 | 2.4 | 4.8 | 2,396 | 2,352 | 2,610 | 2,410 | 19,371 | 17,621 | 9.9 |
| Mining, oil field, and gas field machinery..... | 1,663 | 1,616 | 1,594 | 2.9 | 1.4 | 4.3 | 1,659 | 1,520 | 1,719 | 1,433 | 12,231 | 11,243 | 8.8 |
| Industrial machinery..... | 2,768 | 2,762 | 2,892 | 0.2 | -4.5 | -6.5 | 2,451 | 2,903 | 3,106 | 2,981 | 23,385 | 25,844 | -9.5 |
| Photographic equipment..... | 564 | 566 | 496 | -0.4 | 14.1 | -8.7 | 550 | 538 | 523 | 591 | 4,222 | 4,905 | -13.9 |
| Ventilation, heating, air-conditioning, and refrigeration equipment..... | 3,867 | 4,013 | 4,003 | -3.6 | 0.2 | 4.1 | 3,961 | 4,145 | 4,840 | 3,717 | 32,572 | 28,954 | 12.5 |
| Metalworking machinery..... | 2,412 | 2,578 | 2,368 | -6.4 | 8.9 | -3.5 | 2,452 | 2,426 | 2,531 | 2,446 | 19,360 | 18,217 | 6.3 |
| Turbines, generators, and other power transmission equipment..... | 3,569 | 3,521 | 4,451 | 1.4 | -20.9 | 14.1 | 3,520 | 3,183 | 4,548 | 3,416 | 29,970 | 26,806 | 11.8 |
| Material handling equipment..... | 2,363 | 2,463 | 2,457 | -4.1 | 0.2 | -2.0 | 2,364 | 2,365 | 2,615 | 2,564 | 20,387 | 18,521 | 10.1 |
| Computers and electronic products..... | 31,464 | 33,147 | 31,257 | -5.1 | 6.0 | -3.6 | 29,616 | 29,928 | 34,809 | 30,981 | 250,509 | 248,891 | 0.7 |
| Computers..... | 2,920 | 3,020 | 3,097 | -3.3 | -2.5 | -3.3 | 2,675 | 3,021 | 3,339 | 3,076 | 24,448 | 25,517 | -4.2 |
| Computer storage devices..... | 597 | 660 | 671 | -9.5 | -1.6 | 2.1 | 476 | 370 | 1,115 | 671 | 4,853 | 5,093 | -4.7 |
| Other peripheral equipment..... | 1,292 | 1,265 | 1,425 | 2.1 | -11.2 | -2.2 | 1,171 | 950 | 1,739 | 1,361 | 10,224 | 10,135 | 0.9 |
| Nondefense communications equipment..... | 4,894 | 5,278 | 5,444 | -7.3 | -3.0 | 5.7 | 4,538 | 4,227 | 6,547 | 4,909 | 38,677 | 39,027 | -0.9 |
| Defense communications equipment..... | 631 | 733 | 660 | -13.9 | 11.1 | 2.8 | 656 | 661 | 650 | 556 | 5,208 | 4,168 | 25.0 |
| Audio and video equipment..... | 609 | 660 | 682 | -7.7 | -3.2 | -5.8 | 556 | 548 | 600 | 758 | 4,911 | 5,711 | -14.0 |
| Semiconductors..... | 4,637 | 5,595 | 4,027 | -17.1 | 38.9 | -14.3 | 4,370 | 6,208 | 3,412 | 5,249 | 40,785 | 43,789 | -6.9 |
| Electronic components..... | 3,887 | 3,903 | 3,979 | -0.4 | -1.9 | -0.7 | 3,806 | 3,508 | 4,452 | 4,009 | 31,221 | 31,817 | -1.9 |
| Nondefense search and navigation equipment..... | 947 | 939 | 993 | 0.9 | -5.4 | 3.7 | 929 | 861 | 1,095 | 950 | 7,738 | 7,713 | 0.3 |
| Defense search and navigation equipment..... | 2,675 | 2,628 | 2,727 | 1.8 | -3.6 | -8.0 | 2,629 | 2,507 | 2,810 | 2,697 | 21,480 | 20,773 | 3.4 |
| Electromedical, measuring, and control instruments..... | 7,822 | 7,919 | 6,985 | -1.2 | 13.4 | -5.4 | 7,276 | 6,585 | 8,496 | 6,226 | 56,888 | 51,126 | 11.3 |
| Electrical equipment, appliances, and components..... | 10,553 | 11,063 | 10,699 | -4.6 | 3.4 | 0.1 | 10,794 | 10,581 | 11,375 | 11,167 | 84,953 | 84,252 | 0.8 |
| Electric lighting equipment..... | 1,027 | 1,034 | 1,015 | -0.7 | 1.9 | -0.9 | 1,032 | 969 | 1,076 | 1,165 | 8,104 | 9,045 | -10.4 |
| Household appliances..... | 1,859 | 1,994 | 1,906 | -6.8 | 4.6 | -2.8 | 1,910 | 1,893 | 2,055 | 2,098 | 15,152 | 15,700 | -3.5 |
| Electrical equipment..... | 3,450 | 3,674 | 3,589 | -6.1 | 2.4 | 2.4 | 3,432 | 3,500 | 3,970 | 3,589 | 28,405 | 27,367 | 3.8 |
| Batteries..... | 893 | 892 | 808 | 0.1 | 10.4 | -2.5 | 891 | 820 | 800 | 677 | 6,280 | 5,038 | 24.7 |
| Transportation equipment..... | 49,830 | 54,184 | 52,965 | -8.0 | 2.3 | 2.2 | 51,131 | 42,267 | 57,974 | 64,507 | 422,464 | 462,676 | -8.7 |
| Automobiles..... | 6,737 | 7,327 | 6,783 | -8.1 | 8.0 | 2.4 | 7,132 | 5,027 | 7,188 | 9,325 | 55,997 | 64,848 | -13.6 |
| Light trucks and utility vehicles..... | 7,459 | 7,862 | 8,281 | -5.1 | -5.1 | 1.1 | 7,802 | 5,035 | 9,177 | 13,636 | 69,303 | 92,018 | -24.7 |
| Heavy duty trucks..... | 1,256 | 1,318 | 1,348 | -4.7 | -2.2 | -5.9 | 1,218 | 1,218 | 1,377 | 1,566 | 11,237 | 13,308 | -15.6 |
| Motor vehicle bodies, parts, and trailers..... | 14,702 | 16,660 | 16,492 | -11.8 | 1.0 | 3.0 | 15,660 | 12,956 | 17,403 | 21,203 | 132,243 | 155,594 | -15.0 |
| Nondefense aircraft and parts..... | 8,196 | 9,183 | 8,456 | -10.7 | 8.6 | 3.0 | 7,950 | 7,607 | 10,191 | 9,379 | 66,144 | 64,957 | 1.8 |
| Defense aircraft and parts..... | 4,706 | 5,053 | 4,647 | -6.9 | 8.7 | 3.2 | 4,682 | 4,443 | 5,198 | 3,343 | 35,003 | 25,396 | 37.8 |
| Ships and boats..... | 2,268 | 2,284 | 2,454 | -0.7 | -6.9 | 3.9 | 2,246 | 1,940 | 2,618 | 2,172 | 18,740 | 17,417 | 7.6 |
| Furniture and related products..... | 6,425 | 6,539 | 6,612 | -1.7 | -1.1 | 1.3 | 6,889 | 6,558 | 6,700 | 7,408 | 52,236 | 55,080 | -5.2 |
| Miscellaneous durable goods..... | 13,120 | 13,280 | 13,100 | -1.2 | 1.4 | -2.5 | 12,588 | 12,236 | 13,839 | 12,924 | 102,959 | 99,478 | 3.5 |
| Nondurable goods industries..... | 236,781 | 244,830 | 242,926 | -3.3 | 0.8 | 2.8 | 245,919 | 248,819 | 249,737 | 218,465 | 1,868,710 | 1,651,723 | 13.1 |
| Food products..... | 51,699 | 52,436 | 51,421 | -1.4 | 2.0 | 0.9 | 53,047 | 51,102 | 51,263 | 50,233 | 402,518 | 372,301 | 8.1 |
| Grain and oilseed milling..... | 6,270 | 6,307 | 6,185 | -0.6 | 2.0 | 3.9 | 6,291 | 6,461 | 5,940 | 5,250 | 47,010 | 38,735 | 21.4 |
| Dairy products..... | 7,083 | 7,291 | 7,235 | -2.9 | 0.8 | -0.8 | 7,230 | 7,376 | 7,287 | 7,813 | 58,313 | 55,401 | 5.3 |
| Meat, poultry, and seafood products..... | 15,464 | 15,620 | 15,469 | -1.0 | 1.0 | 2.0 | 16,244 | 15,485 | 16,096 | 15,245 | 121,600 | 115,024 | 5.7 |
| Beverage and tobacco products..... | 11,664 | 11,805 | 11,569 | -1.2 | 2.0 | -0.5 | 12,238 | 12,001 | 12,080 | 12,262 | 91,621 | 87,713 | 4.5 |
| Beverages..... | 7,800 | 7,822 | 7,720 | -0.3 | 1.3 | -0.4 | 8,374 | 8,018 | 8,231 | 8,257 | 62,136 | 58,867 | 5.6 |
| Tobacco..... | 3,864 | 3,983 | 3,849 | -3.0 | 3.5 | -0.8 | 3,864 | 3,983 | 3,849 | 4,005 | 29,485 | 28,846 | 2.2 |
| Textile mills..... | 2,832 | 2,918 | 2,841 | -2.9 | 2.7 | 1.1 | 2,953 | 2,815 | 3,012 | 3,163 | 23,248 | 24,810 | -6.3 |
| Textile products..... | 2,242 | 2,296 | 2,351 | -2.4 | -2.3 | -0.6 | 2,404 | 2,334 | 2,524 | 2,708 | 18,934 | 20,844 | -9.2 |
| Apparel..... | 2,619 | 2,712 | 2,690 | -3.4 | 0.8 | 1.8 | 2,777 | 2,707 | 2,602 | 2,761 | 20,647 | 19,227 | 7.4 |
| Leather and allied products..... | 471 | 474 | 464 | -0.6 | 2.2 | -4.7 | 522 | 451 | 470 | 582 | 3,836 | 4,186 | -8.4 |
| Paper products..... | 14,746 | 14,606 | 14,290 | 1.0 | 2.2 | 1.1 | 14,987 | 14,577 | 14,758 | 14,450 | 115,601 | 112,205 | 3.0 |
| Pulp, paper, and paperboard mills..... | 7,107 | 6,988 | 6,818 | 1.7 | 2.5 | -0.4 | 7,238 | 7,050 | 6,975 | 6,938 | 55,846 | 54,027 | 3.4 |
| Paperboard containers..... | 4,126 | 4,155 | 4,103 | -0.7 | 1.3 | 2.2 | 4,260 | 4,179 | 4,204 | 4,164 | 32,729 | 31,799 | 2.9 |
| Printing..... | 8,182 | 8,341 | 8,251 | -1.9 | 1.1 | 0.2 | 8,312 | 7,894 | 8,139 | 8,736 | 64,633 | 65,993 | -2.1 |
| Petroleum and coal products..... | 64,301 | 70,255 | 70,431 | -8.5 | -0.2 | 5.7 | 69,653 | 74,957 | 73,292 | 47,804 | 508,161 | 358,459 | 41.8 |
| Petroleum refineries..... | 61,030 | 67,151 | 67,473 | -9.1 | -0.5 | 5.6 | 65,827 | 71,350 | 69,891 | 44,808 | 485,257 | 337,329 | 43.9 |
| Chemical products..... | 60,256 | 60,730 | 60,483 | -0.8 | 0.4 | 3.1 | 60,570 | 61,489 | 62,337 | 56,853 | 474,923 | 443,808 | 7.0 |
| Pesticides, fertilizers, and other agricultural chemicals..... | 3,980 | 3,835 | 3,870 | 3.8 | -0.9 | 12.4 | 3,558 | 3,591 | 4,232 | 2,479 | 31,040 | 23,354 | 32.9 |
| Pharmaceuticals and medicines..... | 14,015 | 14,404 | 14,474 | -2.7 | -0.5 | 1.9 | 14,148 | 14,631 | 14,169 | 14,976 | 114,431 | 120,119 | -4.7 |
| Paints, coatings, and adhesives..... | 2,823 | 2,769 | 2,725 | 2.0 | 1.6 | -2.4 | 2,980 | 2,936 | 2,932 | 3,124 | 22,940 | 23,153 | -0.9 |
| Plastics and rubber products..... | 17,769 | 18,257 | 18,135 | -2.7 | 0.7 | 1.9 | 18,456 | 18,492 | 19,260 | 18,913 | 144,588 | 142,177 | 1.7 |

^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 | | |
| | Aug. 2008 ^p | July 2008 ^r | June 2008 | July - Aug. | June - July | May - June | Aug. 2008 ^p | July 2008 ^r | June 2008 | Aug. 2007 | 2008 ^p | 2007 | Percent 2008/2007 |
| All manufacturing industries ² | 444,365 | 462,993 | 459,576 | -4.0 | 0.7 | 2.1 | 451,636 | 444,258 | 478,082 | 443,639 | 3,570,223 | 3,381,651 | 5.6 |
| Excluding transportation ² | 392,275 | 405,680 | 403,771 | -3.3 | 0.5 | 2.7 | 398,838 | 402,353 | 418,673 | 373,699 | 3,122,244 | 2,868,233 | 8.9 |
| Excluding defense ² | 431,873 | 450,930 | 445,374 | -4.2 | 1.2 | 1.8 | 440,666 | 435,476 | 463,443 | 431,562 | 3,478,078 | 3,308,892 | 5.1 |
| With unfiled orders ² | 154,008 | 163,192 | 162,073 | -5.6 | 0.7 | 1.7 | 151,217 | 146,959 | 169,528 | 160,690 | 1,262,792 | 1,254,494 | 0.7 |
| Durable goods industries ² | 207,584 | 218,163 | 216,650 | -4.8 | 0.7 | 1.4 | 205,717 | 195,439 | 228,345 | 225,174 | 1,701,513 | 1,729,928 | -1.6 |
| Primary metals..... | 22,062 | 24,418 | 23,734 | -9.6 | 2.9 | 7.8 | 22,267 | 23,505 | 24,296 | 20,691 | 183,452 | 163,324 | 12.3 |
| Iron and steel mills..... | 11,379 | 13,661 | 12,833 | -16.7 | 6.5 | 13.0 | 11,366 | 13,108 | 12,866 | 9,532 | 95,240 | 77,433 | 23.0 |
| Aluminum and nonferrous metals..... | 8,760 | 8,806 | 9,073 | -0.5 | -2.9 | 2.6 | 8,954 | 8,497 | 9,509 | 9,446 | 73,316 | 72,254 | 1.5 |
| Ferrous metal foundries..... | 1,923 | 1,951 | 1,828 | -1.4 | 6.7 | 1.4 | 1,947 | 1,900 | 1,921 | 1,713 | 14,896 | 13,637 | 9.2 |
| Fabricated metal products..... | 28,002 | 28,241 | 28,041 | -0.8 | 0.7 | 1.0 | 28,829 | 27,574 | 28,949 | 29,569 | 226,576 | 224,282 | 1.0 |
| Machinery..... | 30,580 | 32,740 | 31,553 | -6.6 | 3.8 | 2.6 | 28,748 | 31,694 | 31,707 | 28,067 | 249,043 | 226,908 | 9.8 |
| Construction machinery..... | 2,561 | 3,153 | 2,645 | -18.8 | 19.2 | -10.4 | 2,421 | 2,644 | 2,316 | 2,509 | 22,836 | 19,031 | 20.0 |
| Mining, oil field, and gas field machinery..... | 1,907 | 1,970 | 1,990 | -3.2 | -1.0 | 1.0 | 1,963 | 1,890 | 2,012 | 1,754 | 14,595 | 11,046 | 32.1 |
| Industrial machinery..... | 2,801 | 3,395 | 2,841 | -17.5 | 19.5 | -7.2 | 1,945 | 3,882 | 2,627 | 2,489 | 25,106 | 27,495 | -8.7 |
| Photographic equipment..... | 538 | 596 | 501 | -9.7 | 19.0 | -12.4 | 522 | 571 | 505 | 619 | 4,420 | 4,861 | -9.1 |
| Ventilation, heating, air-conditioning, and refrigeration equipment..... | 4,486 | 5,286 | 5,026 | -15.1 | 5.2 | 12.5 | 4,570 | 5,771 | 5,486 | 4,196 | 36,501 | 31,181 | 17.1 |
| Metalworking machinery..... | 2,557 | 2,572 | 2,531 | -0.6 | 1.6 | -3.2 | 2,515 | 2,396 | 2,592 | 2,409 | 20,332 | 18,644 | 9.1 |
| Turbines, generators, and other power transmission equipment..... | 3,484 | 3,601 | 4,491 | -3.2 | -19.8 | 14.2 | 3,395 | 3,274 | 4,488 | 3,443 | 30,872 | 26,392 | 17.0 |
| Material handling equipment..... | 2,695 | 2,602 | 2,370 | 3.6 | 9.8 | 3.0 | 2,413 | 2,168 | 2,516 | 2,440 | 20,229 | 19,019 | 6.4 |
| Computers and electronic products ² | 27,639 | 27,099 | 28,372 | 2.0 | -4.5 | 1.0 | 25,038 | 22,887 | 31,915 | 25,991 | 211,338 | 208,957 | 1.1 |
| Computers..... | 3,002 | 2,886 | 3,443 | 4.0 | -16.2 | 1.0 | 2,757 | 2,887 | 3,685 | 3,310 | 24,636 | 26,020 | -5.3 |
| Nondefense communications equipment..... | 5,600 | 5,485 | 4,878 | 2.1 | 12.4 | -4.1 | 4,813 | 4,256 | 5,352 | 4,386 | 39,016 | 39,482 | -1.2 |
| Defense communications equipment..... | 642 | 407 | 1,059 | 57.7 | -61.6 | 7.3 | 472 | 375 | 1,368 | 548 | 5,644 | 4,664 | 21.0 |
| Semiconductors ² | (NA) | (NA) | (NA) | (NA) | (NA) | (NA) | (NA) | (NA) | (NA) | (NA) | (NA) | (NA) | (NA) |
| Electronic components..... | 4,025 | 3,785 | 4,056 | 6.3 | -6.7 | 3.7 | 4,157 | 3,366 | 4,516 | 4,423 | 31,933 | 32,522 | -1.8 |
| Nondefense search and navigation equipment..... | 1,135 | 1,156 | 1,470 | -1.8 | -21.4 | 37.3 | 1,119 | 1,056 | 1,476 | 1,206 | 8,699 | 8,243 | 5.5 |
| Defense search and navigation equipment..... | 2,598 | 2,358 | 2,736 | 10.2 | -13.8 | -7.1 | 2,143 | 1,866 | 2,692 | 2,538 | 20,349 | 20,172 | 0.9 |
| Electromedical, measuring, and control instruments..... | 7,586 | 7,890 | 7,385 | -3.9 | 6.8 | 1.5 | 6,840 | 6,731 | 8,818 | 6,271 | 56,997 | 52,893 | 7.8 |
| Electrical equipment, appliances, and components..... | 10,339 | 10,658 | 11,629 | -3.0 | -8.3 | 5.0 | 10,277 | 10,535 | 12,027 | 10,861 | 86,985 | 86,760 | 0.3 |
| Electric lighting equipment..... | 952 | 957 | 1,208 | -0.5 | -20.8 | 22.9 | 923 | 922 | 1,313 | 1,151 | 8,466 | 9,724 | -12.9 |
| Household appliances..... | 1,847 | 1,892 | 1,942 | -2.4 | -2.6 | 1.3 | 1,946 | 1,874 | 1,980 | 2,151 | 15,275 | 16,106 | -5.2 |
| Electrical equipment..... | 3,357 | 3,430 | 4,152 | -2.1 | -17.4 | 13.9 | 3,203 | 3,432 | 4,419 | 3,655 | 29,566 | 29,327 | 0.8 |
| Transportation equipment..... | 52,090 | 57,313 | 55,805 | -9.1 | 2.7 | -1.8 | 52,798 | 41,905 | 59,409 | 69,940 | 447,979 | 513,418 | -12.7 |
| Motor vehicle bodies, parts, and trailers..... | 14,786 | 16,535 | 16,443 | -10.6 | 0.6 | 3.2 | 15,339 | 13,296 | 17,020 | 19,973 | 130,948 | 154,015 | -15.0 |
| Nondefense aircraft and parts..... | 7,612 | 12,294 | 10,055 | -38.1 | 22.3 | -21.3 | 7,872 | 8,624 | 11,214 | 12,205 | 90,295 | 112,809 | -20.0 |
| Defense aircraft and parts..... | 5,167 | 5,881 | 4,723 | -12.1 | 24.5 | -8.7 | 4,568 | 4,799 | 5,062 | 5,276 | 36,890 | 23,090 | 59.8 |
| Ships and boats..... | 2,139 | 2,028 | 2,871 | 5.5 | -29.4 | 50.1 | 1,915 | 1,167 | 2,877 | 2,650 | 18,061 | 18,818 | -4.0 |
| Furniture and related products..... | 6,518 | 6,569 | 6,671 | -0.8 | -1.5 | 2.8 | 6,670 | 6,591 | 6,869 | 6,801 | 52,993 | 55,614 | -4.7 |
| Non-durable goods industries..... | 236,781 | 244,830 | 242,926 | -3.3 | 0.8 | 2.8 | 245,919 | 248,819 | 249,737 | 218,465 | 1,868,710 | 1,651,723 | 13.1 |

^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: M3-3(07), "Manufacturers' Shipments, Inventories, and Orders: 2004-2007."

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

[Millions of Dollars]

| Industry | Seasonally Adjusted | | | | | | Not Seasonally Adjusted | | | | Percent Change Aug. 08/07 |
|--|------------------------|------------------------|-----------|----------------|-------------|------------|-------------------------|------------------------|-----------|-----------|---------------------------|
| | Monthly | | | Percent Change | | | Monthly | | | | |
| | Aug. 2008 ^P | July 2008 ^F | June 2008 | July - Aug. | June - July | May - June | Aug. 2008 ^P | July 2008 ^F | June 2008 | Aug. 2007 | |
| All manufacturing industries ¹ | 827,214 | 824,232 | 818,023 | 0.4 | 0.8 | 1.0 | 820,303 | 821,604 | 819,678 | 726,261 | 12.9 |
| Excluding transportation ¹ | 360,697 | 359,975 | 356,895 | 0.2 | 0.9 | 1.4 | 357,993 | 360,961 | 358,673 | 327,080 | 9.5 |
| Excluding defense ¹ | 671,350 | 669,155 | 662,911 | 0.3 | 0.9 | 0.8 | 667,288 | 668,051 | 663,841 | 580,643 | 14.9 |
| Durable goods industries ¹ | 827,214 | 824,232 | 818,023 | 0.4 | 0.8 | 1.0 | 820,303 | 821,604 | 819,678 | 726,261 | 12.9 |
| Primary metals..... | 28,722 | 30,106 | 29,621 | -4.6 | 1.6 | 2.1 | 28,411 | 30,019 | 29,826 | 26,517 | 7.1 |
| Iron and steel mills..... | 18,032 | 19,301 | 18,584 | -6.6 | 3.9 | 2.7 | 17,919 | 19,237 | 18,650 | 15,808 | 13.4 |
| Aluminum and nonferrous metals..... | 7,655 | 7,803 | 8,084 | -1.9 | -3.5 | 1.7 | 7,499 | 7,769 | 8,219 | 7,723 | -2.9 |
| Ferrous metal foundries..... | 3,035 | 3,002 | 2,953 | 1.1 | 1.7 | -0.3 | 2,993 | 3,013 | 2,957 | 2,986 | 0.2 |
| Fabricated metal products..... | 62,095 | 62,146 | 62,483 | -0.1 | -0.5 | 0.0 | 62,299 | 63,199 | 63,911 | 59,154 | 5.3 |
| Machinery..... | 106,855 | 105,164 | 101,567 | 1.6 | 3.5 | 2.1 | 105,538 | 104,829 | 101,339 | 84,896 | 24.3 |
| Construction machinery..... | 14,912 | 14,806 | 14,098 | 0.7 | 5.0 | 1.9 | 14,541 | 14,516 | 14,224 | 12,171 | 19.5 |
| Mining, oil field, and gas field machinery..... | 7,173 | 6,929 | 6,575 | 3.5 | 5.4 | 6.4 | 7,195 | 6,891 | 6,521 | 4,084 | 76.2 |
| Industrial machinery..... | 16,865 | 16,832 | 16,199 | 0.2 | 3.9 | -0.3 | 16,632 | 17,138 | 16,159 | 14,658 | 13.5 |
| Photographic equipment..... | 1,700 | 1,726 | 1,696 | -1.5 | 1.8 | 0.3 | 1,704 | 1,732 | 1,699 | 1,576 | 8.1 |
| Ventilation, heating, air-conditioning, and refrigeration equipment..... | 17,368 | 16,749 | 15,476 | 3.7 | 8.2 | 7.1 | 17,427 | 16,818 | 15,192 | 10,810 | 61.2 |
| Metalworking machinery..... | 8,710 | 8,565 | 8,571 | 1.7 | -0.1 | 1.9 | 8,651 | 8,588 | 8,618 | 6,779 | 27.6 |
| Turbines, generators, and other power transmission equipment..... | 14,391 | 14,476 | 14,396 | -0.6 | 0.6 | 0.3 | 14,430 | 14,555 | 14,464 | 12,560 | 14.9 |
| Material handling equipment..... | 10,234 | 9,902 | 9,763 | 3.4 | 1.4 | -0.9 | 9,748 | 9,699 | 9,896 | 9,246 | 5.4 |
| Computers and electronic products ¹ | 124,801 | 123,989 | 124,442 | 0.7 | -0.4 | 0.9 | 123,381 | 123,589 | 124,422 | 118,608 | 4.0 |
| Computers..... | 3,905 | 3,823 | 3,957 | 2.1 | -3.4 | 9.6 | 3,905 | 3,823 | 3,957 | 3,988 | -2.1 |
| Nondefense communications equipment..... | 29,542 | 28,836 | 28,629 | 2.4 | 0.7 | -1.9 | 29,066 | 28,791 | 28,762 | 28,730 | 1.2 |
| Defense communications equipment..... | 8,247 | 8,236 | 8,562 | 0.1 | -3.8 | 4.9 | 8,126 | 8,310 | 8,596 | 7,271 | 11.8 |
| Semiconductors ¹ | (NA) | (NA) | (NA) | (NA) | (NA) | (NA) | (NA) | (NA) | (NA) | (NA) | (NA) |
| Electronic components..... | 10,797 | 10,659 | 10,777 | 1.3 | -1.1 | 0.7 | 10,968 | 10,617 | 10,759 | 10,705 | 2.5 |
| Nondefense search and navigation equipment..... | 7,657 | 7,469 | 7,252 | 2.5 | 3.0 | 7.0 | 7,562 | 7,372 | 7,177 | 6,081 | 24.4 |
| Defense search and navigation equipment..... | 36,832 | 36,909 | 37,179 | -0.2 | -0.7 | 0.0 | 36,070 | 36,556 | 37,197 | 35,319 | 2.1 |
| Electromedical, measuring, and control instruments..... | 27,821 | 28,057 | 28,086 | -0.8 | -0.1 | 1.4 | 27,684 | 28,120 | 27,974 | 26,514 | 4.4 |
| Electrical equipment, appliances, and components..... | 24,981 | 25,195 | 25,600 | -0.8 | -1.6 | 3.8 | 25,096 | 25,613 | 25,659 | 24,358 | 3.0 |
| Electric lighting equipment..... | 2,596 | 2,671 | 2,748 | -2.8 | -2.8 | 7.6 | 2,718 | 2,827 | 2,874 | 2,673 | 1.7 |
| Household appliances..... | 672 | 684 | 786 | -1.8 | -13.0 | 4.8 | 695 | 659 | 678 | 916 | -24.1 |
| Electrical equipment..... | 15,845 | 15,938 | 16,182 | -0.6 | -1.5 | 3.6 | 15,890 | 16,119 | 16,187 | 14,995 | 6.0 |
| Transportation equipment..... | 466,517 | 464,257 | 461,128 | 0.5 | 0.7 | 0.6 | 462,310 | 460,643 | 461,005 | 399,181 | 15.8 |
| Motor vehicle bodies, parts, and trailers..... | 17,465 | 17,381 | 17,506 | 0.5 | -0.7 | -0.3 | 17,270 | 17,591 | 17,251 | 18,854 | -8.4 |
| Nondefense aircraft and parts..... | 306,824 | 307,408 | 304,297 | -0.2 | 1.0 | 0.5 | 304,766 | 304,844 | 303,827 | 245,110 | 24.3 |
| Defense aircraft and parts..... | 45,811 | 45,350 | 44,522 | 1.0 | 1.9 | 0.2 | 45,189 | 45,303 | 44,947 | 39,841 | 13.4 |
| Ships and boats..... | 19,976 | 20,105 | 20,361 | -0.6 | -1.3 | 2.1 | 19,324 | 19,655 | 20,428 | 20,963 | -7.8 |
| Furniture and related products..... | 7,496 | 7,403 | 7,373 | 1.3 | 0.4 | 0.8 | 7,521 | 7,740 | 7,707 | 7,201 | 4.4 |

^P Preliminary ^F Revised NA Not available.¹ 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 Aug. 08/07 |
| | Aug. 2008 ^p | July 2008 ^r | June 2008 | July - Aug. | June - July | May - June | Aug. 2008 ^p | July 2008 ^r | June 2008 | Aug. 2007 | |
| All manufacturing industries..... | 562,453 | 559,070 | 555,627 | 0.6 | 0.6 | 1.2 | 566,910 | 563,051 | 553,170 | 521,865 | 8.6 |
| Excluding transportation..... | 473,611 | 470,752 | 468,333 | 0.6 | 0.5 | 1.3 | 477,051 | 474,064 | 466,631 | 443,521 | 7.6 |
| Excluding defense..... | 537,878 | 534,444 | 531,091 | 0.6 | 0.6 | 1.3 | 542,242 | 538,358 | 528,585 | 500,007 | 8.4 |
| With unfilled orders..... | 272,510 | 269,939 | 266,802 | 1.0 | 1.2 | 0.9 | 274,546 | 271,641 | 265,041 | 249,646 | 10.0 |
| Durable goods industries..... | 338,848 | 336,185 | 333,127 | 0.8 | 0.9 | 0.8 | 341,484 | 338,279 | 330,660 | 315,583 | 8.2 |
| Wood products..... | 10,524 | 10,505 | 10,362 | 0.2 | 1.4 | 0.8 | 10,524 | 10,401 | 10,161 | 11,458 | -8.2 |
| Nonmetallic mineral products..... | 11,905 | 11,881 | 11,880 | 0.2 | 0.0 | -0.3 | 11,849 | 11,951 | 11,948 | 11,535 | 2.7 |
| Primary metals..... | 35,075 | 34,040 | 33,515 | 3.0 | 1.6 | 1.6 | 35,309 | 34,420 | 33,543 | 31,509 | 12.1 |
| Iron and steel mills..... | 20,006 | 19,030 | 18,510 | 5.1 | 2.8 | 2.3 | 20,237 | 19,291 | 18,511 | 17,168 | 17.9 |
| Aluminum and nonferrous metals..... | 12,344 | 12,324 | 12,383 | 0.2 | -0.5 | 0.5 | 12,394 | 12,474 | 12,437 | 11,811 | 4.9 |
| Ferrous metal foundries..... | 2,725 | 2,686 | 2,622 | 1.5 | 2.4 | 2.3 | 2,678 | 2,655 | 2,595 | 2,530 | 5.8 |
| Fabricated metal products..... | 44,775 | 44,332 | 43,553 | 1.0 | 1.8 | 1.3 | 44,784 | 44,731 | 43,445 | 41,396 | 8.2 |
| Machinery..... | 54,517 | 54,246 | 53,849 | 0.5 | 0.7 | 0.5 | 54,645 | 54,090 | 53,300 | 51,436 | 6.2 |
| Farm machinery..... | 3,135 | 3,059 | 3,040 | 2.5 | 0.6 | 0.0 | 2,944 | 2,942 | 2,998 | 2,397 | 22.8 |
| Construction machinery..... | 5,633 | 5,640 | 5,562 | -0.1 | 1.4 | 0.8 | 5,552 | 5,594 | 5,564 | 5,060 | 9.7 |
| Mining, oil field, and gas field machinery..... | 4,473 | 4,426 | 4,249 | 1.1 | 4.2 | -0.4 | 4,527 | 4,495 | 4,260 | 4,110 | 10.1 |
| Industrial machinery..... | 6,878 | 6,867 | 6,768 | 0.2 | 1.5 | 0.1 | 7,016 | 6,821 | 6,838 | 6,703 | 4.7 |
| Photographic equipment..... | 1,372 | 1,378 | 1,371 | -0.4 | 0.5 | 4.3 | 1,371 | 1,390 | 1,370 | 1,526 | -10.2 |
| Ventilation, heating, air-conditioning, and refrigeration equipment..... | 4,774 | 4,777 | 4,814 | -0.1 | -0.8 | -0.3 | 4,804 | 4,774 | 4,736 | 4,812 | -0.2 |
| Metalworking machinery..... | 5,287 | 5,274 | 5,279 | 0.2 | -0.1 | 1.5 | 5,415 | 5,338 | 5,190 | 4,945 | 9.5 |
| Turbines, generators, and other power transmission equipment..... | 6,189 | 6,097 | 6,033 | 1.5 | 1.1 | 0.9 | 6,330 | 6,103 | 5,816 | 5,711 | 10.8 |
| Material handling equipment..... | 3,464 | 3,453 | 3,458 | 0.3 | -0.1 | 1.2 | 3,423 | 3,407 | 3,439 | 3,079 | 11.2 |
| Computers and electronic products..... | 46,864 | 46,523 | 46,336 | 0.7 | 0.4 | -0.1 | 47,826 | 46,924 | 45,427 | 44,487 | 7.5 |
| Computers..... | 1,311 | 1,280 | 1,365 | 2.4 | -6.2 | -6.1 | 1,412 | 1,238 | 1,371 | 1,524 | -7.3 |
| Computer storage devices..... | 1,603 | 1,616 | 1,635 | -0.8 | -1.2 | -0.4 | 1,690 | 1,640 | 1,518 | 1,296 | 30.4 |
| Other peripheral equipment..... | 2,111 | 2,110 | 2,082 | 0.0 | 1.3 | 0.8 | 2,209 | 2,156 | 1,998 | 2,075 | 6.5 |
| Nondefense communications equipment..... | 8,394 | 8,176 | 8,297 | 2.7 | -1.5 | -1.5 | 8,470 | 8,085 | 7,865 | 7,940 | 6.7 |
| Defense communications equipment..... | 1,549 | 1,445 | 1,410 | 7.2 | 2.5 | -4.2 | 1,549 | 1,445 | 1,410 | 1,180 | 31.3 |
| Audio and video equipment..... | 921 | 918 | 940 | 0.3 | -2.3 | -4.0 | 962 | 920 | 896 | 884 | 8.8 |
| Semiconductors ¹ | (NA) | (NA) | (NA) | (NA) | (NA) | (NA) | (NA) | (NA) | (NA) | (NA) | (NA) |
| Electronic components..... | 6,773 | 6,813 | 6,594 | -0.6 | 3.3 | -0.3 | 6,843 | 6,935 | 6,504 | 6,428 | 6.5 |
| Nondefense search and navigation equipment..... | 4,972 | 4,890 | 4,769 | 1.7 | 2.5 | 0.1 | 5,030 | 5,008 | 4,770 | 4,305 | 16.8 |
| Defense search and navigation equipment..... | 3,541 | 3,534 | 3,492 | 0.2 | 1.2 | 1.5 | 3,587 | 3,544 | 3,485 | 3,243 | 10.6 |
| Electromedical, measuring and control instruments..... | 10,516 | 10,593 | 10,533 | -0.7 | 0.6 | 1.2 | 10,734 | 10,632 | 10,336 | 10,450 | 2.7 |
| Electrical equipment, appliances, and components..... | 15,170 | 15,145 | 15,243 | 0.2 | -0.6 | 0.8 | 15,072 | 15,206 | 15,177 | 14,362 | 4.9 |
| Electric lighting equipment..... | 1,783 | 1,785 | 1,790 | -0.1 | -0.3 | 0.1 | 1,804 | 1,826 | 1,835 | 1,706 | 5.7 |
| Household appliances..... | 1,992 | 1,962 | 1,985 | 1.5 | -1.2 | 1.3 | 1,992 | 1,992 | 1,975 | 1,964 | 1.4 |
| Electrical equipment..... | 5,323 | 5,297 | 5,262 | 0.5 | 0.7 | 0.2 | 5,187 | 5,217 | 5,131 | 4,742 | 9.4 |
| Batteries..... | 664 | 684 | 813 | -2.9 | -15.9 | 0.9 | 693 | 706 | 812 | 772 | -10.2 |
| Transportation equipment..... | 88,842 | 88,318 | 87,294 | 0.6 | 1.2 | 1.1 | 89,859 | 88,987 | 86,539 | 78,344 | 14.7 |
| Automobiles..... | 2,496 | 2,489 | 2,473 | 0.3 | 0.6 | -0.6 | 2,594 | 2,674 | 2,343 | 2,769 | -6.3 |
| Light trucks and utility vehicles..... | 2,605 | 2,676 | 2,889 | -2.7 | -7.4 | 2.7 | 2,687 | 2,635 | 2,892 | 3,274 | -17.9 |
| Heavy duty trucks..... | 1,571 | 1,553 | 1,554 | 1.2 | -0.1 | 2.2 | 1,646 | 1,592 | 1,564 | 1,508 | 9.2 |
| Motor vehicle bodies, parts, and trailers..... | 16,682 | 16,752 | 16,777 | -0.4 | -0.1 | -0.3 | 16,481 | 16,734 | 16,570 | 17,441 | -5.5 |
| Nondefense aircraft and parts..... | 40,004 | 39,178 | 37,773 | 2.1 | 3.7 | 1.9 | 40,719 | 39,539 | 37,431 | 30,593 | 33.1 |
| Defense aircraft and parts..... | 14,219 | 14,306 | 14,502 | -0.6 | -1.4 | 1.8 | 14,311 | 14,391 | 14,594 | 12,645 | 13.2 |
| Ships and boats..... | 2,932 | 2,894 | 2,841 | 1.3 | 1.9 | -2.4 | 2,900 | 2,838 | 2,821 | 2,939 | -1.3 |
| Furniture and related products..... | 7,942 | 7,941 | 7,903 | 0.0 | 0.5 | -0.5 | 8,028 | 8,112 | 8,108 | 8,215 | -2.3 |
| Miscellaneous durable goods..... | 23,234 | 23,254 | 23,192 | -0.1 | 0.3 | 1.2 | 23,588 | 23,457 | 23,012 | 22,841 | 3.3 |
| Nondurable goods industries..... | 223,605 | 222,885 | 222,500 | 0.3 | 0.2 | 1.9 | 225,426 | 224,772 | 222,510 | 206,282 | 9.3 |
| Food products..... | 37,595 | 37,858 | 38,006 | -0.7 | -0.4 | 0.5 | 37,603 | 37,325 | 36,885 | 36,849 | 2.0 |
| Grain and oilseed milling..... | 5,019 | 5,110 | 5,249 | -1.8 | -2.6 | 1.0 | 4,830 | 4,927 | 5,078 | 4,662 | 3.6 |
| Dairy products..... | 4,456 | 4,454 | 4,464 | 0.0 | -0.2 | -0.2 | 4,560 | 4,653 | 4,622 | 4,940 | -7.7 |
| Meat, poultry, and seafood products..... | 7,725 | 7,676 | 7,689 | 0.6 | -0.2 | 0.7 | 7,686 | 7,618 | 7,582 | 7,068 | 8.7 |
| Beverage and tobacco products..... | 15,098 | 15,042 | 15,100 | 0.4 | -0.4 | -0.3 | 14,655 | 14,515 | 14,634 | 14,652 | 0.0 |
| Beverages..... | 11,328 | 11,242 | 11,290 | 0.8 | -0.4 | -0.1 | 11,081 | 10,880 | 10,974 | 10,989 | 0.8 |
| Tobacco..... | 3,770 | 3,800 | 3,810 | -0.8 | -0.3 | -0.7 | 3,574 | 3,571 | 3,660 | 3,663 | -2.4 |
| Textile mills..... | 3,637 | 3,669 | 3,604 | -0.9 | 1.8 | -1.1 | 3,653 | 3,682 | 3,592 | 3,818 | -4.3 |
| Textile products..... | 3,285 | 3,290 | 3,222 | -0.2 | 2.1 | -0.9 | 3,314 | 3,325 | 3,237 | 3,380 | -2.0 |
| Apparel..... | 4,539 | 4,534 | 4,503 | 0.1 | 0.7 | 0.4 | 4,693 | 4,697 | 4,614 | 4,452 | 5.4 |
| Leather and allied products..... | 1,009 | 1,012 | 1,003 | -0.3 | 0.9 | -1.2 | 1,032 | 1,027 | 1,002 | 1,094 | -5.7 |
| Paper products..... | 15,511 | 15,391 | 15,470 | 0.8 | -0.5 | 0.4 | 15,472 | 15,408 | 15,451 | 14,970 | 3.4 |
| Pulp, paper, and paperboard mills..... | 6,834 | 6,818 | 6,885 | 0.2 | -1.0 | 0.5 | 6,804 | 6,830 | 6,864 | 6,598 | 3.1 |
| Paperboard containers..... | 4,277 | 4,194 | 4,200 | 2.0 | -0.1 | -0.2 | 4,262 | 4,192 | 4,194 | 4,090 | 4.2 |
| Printing..... | 6,711 | 6,744 | 6,849 | -0.5 | -1.5 | -1.0 | 6,989 | 7,000 | 6,886 | 6,899 | 1.3 |
| Petroleum and coal products..... | 43,161 | 43,394 | 44,055 | -0.5 | -1.5 | 9.6 | 44,684 | 45,379 | 45,482 | 33,048 | 35.2 |
| Petroleum refineries..... | 40,613 | 40,935 | 41,694 | -0.8 | -1.8 | 10.0 | 42,013 | 42,844 | 43,053 | 30,463 | 37.9 |
| Chemical products..... | 69,784 | 69,069 | 68,255 | 1.0 | 1.2 | -0.1 | 70,340 | 69,758 | 68,589 | 66,063 | 6.5 |
| Pesticides, fertilizers, and other agricultural chemicals..... | 3,206 | 3,207 | 3,138 | 0.0 | 2.2 | -3.1 | 2,897 | 2,970 | 2,905 | 2,634 | 10.0 |
| Pharmaceuticals and medicines..... | 24,186 | 23,747 | 23,686 | 1.8 | 0.3 | -0.6 | 24,794 | 24,310 | 24,253 | 23,884 | 3.8 |
| Paints, coatings, and adhesives..... | 3,113 | 3,101 | 3,142 | 0.4 | -1.3 | -1.2 | 3,153 | 3,139 | 3,226 | 3,134 | 0.6 |
| Plastics and rubber products..... | 23,275 | 22,882 | 22,433 | 1.7 | 2.0 | 1.0 | 22,991 | 22,720 | 22,138 | 21,057 | 9.2 |

^p Preliminary ^r Revised NA Not available.¹ Inventories for semiconductor industry data are included in computers and electronic products and total durable goods industries, but are not shown separately. See note at end of Table 2 relating to survey error and revision.

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

[Millions of Dollars]

| Industry | Seasonally Adjusted | | | | | | Not Seasonally Adjusted ² | | | | | | Percent Change ⁶ 2008/2007 |
|---|------------------------|------------------------|-----------|----------------|-------------|------------|--------------------------------------|------------------------|-----------|--------------|-------------------|-----------|---------------------------------------|
| | Monthly | | | Percent Change | | | Monthly | | | Year to date | | | |
| | Aug. 2008 ^p | July 2008 ^r | June 2008 | July - Aug. | June - July | May - June | Aug. 2008 ^p | July 2008 ^r | June 2008 | Aug. 2007 | 2008 ^p | 2007 | |
| SHIPMENTS | | | | | | | | | | | | | |
| All manufacturing industries..... | 446,020 | 462,379 | 455,873 | -3.5 | 1.4 | 1.9 | 457,307 | 448,540 | 479,381 | 444,427 | 3,562,521 | 3,357,057 | 6.1 |
| Construction materials and supplies..... | 44,255 | 44,885 | 44,406 | -1.4 | 1.1 | 1.9 | 47,438 | 46,018 | 48,525 | 48,937 | 354,796 | 361,438 | -1.8 |
| Information technology..... | 26,828 | 27,684 | 27,128 | -3.1 | 2.0 | -1.8 | 25,519 | 24,149 | 30,942 | 25,952 | 209,737 | 205,292 | 2.2 |
| Computers and related products..... | 4,809 | 4,945 | 5,193 | -2.8 | -4.8 | -2.4 | 4,322 | 4,341 | 6,193 | 5,108 | 39,525 | 40,745 | -3.0 |
| Motor vehicle and parts..... | 30,154 | 33,167 | 32,904 | -9.1 | 0.8 | 2.0 | 31,812 | 24,236 | 35,145 | 45,730 | 268,780 | 325,768 | -17.5 |
| Capital goods..... | 75,897 | 78,153 | 77,267 | -2.9 | 1.1 | 0.7 | 73,740 | 71,448 | 84,965 | 74,903 | 603,965 | 580,022 | 4.1 |
| Nondefense capital goods ³ | 66,818 | 69,045 | 68,194 | -3.2 | 1.2 | 0.7 | 64,686 | 62,991 | 75,516 | 66,951 | 533,816 | 519,311 | 2.8 |
| Excluding aircraft..... | 62,493 | 63,850 | 63,663 | -2.1 | 0.3 | 0.6 | 60,532 | 58,971 | 69,938 | 61,414 | 498,224 | 483,090 | 3.1 |
| Defense capital goods ⁴ | 9,079 | 9,108 | 9,073 | -0.3 | 0.4 | 0.4 | 9,054 | 8,457 | 9,449 | 7,952 | 70,149 | 60,711 | 15.5 |
| Consumer goods..... | 184,790 | 193,506 | 192,033 | -4.5 | 0.8 | 2.3 | 192,672 | 190,338 | 196,794 | 178,413 | 1,474,361 | 1,330,054 | 10.8 |
| Consumer durable goods..... | 28,895 | 30,268 | 29,959 | -4.5 | 1.0 | -0.4 | 29,353 | 23,775 | 31,753 | 38,545 | 242,950 | 278,112 | -12.6 |
| Consumer nondurable goods..... | 155,895 | 163,238 | 162,074 | -4.5 | 0.7 | 2.8 | 163,319 | 166,563 | 165,041 | 139,868 | 1,231,411 | 1,051,942 | 17.1 |
| NEW ORDERS | | | | | | | | | | | | | |
| All manufacturing industries ⁵ | 444,365 | 462,993 | 459,576 | -4.0 | 0.7 | 2.1 | 451,636 | 444,258 | 478,082 | 443,639 | 3,570,223 | 3,381,651 | 5.6 |
| Construction materials and supplies..... | 44,714 | 45,938 | 45,563 | -2.7 | 0.8 | 3.7 | 47,213 | 47,074 | 49,002 | 48,846 | 360,701 | 366,159 | -1.5 |
| Information technology..... | 27,442 | 27,397 | 28,336 | 0.2 | -3.3 | -0.4 | 24,717 | 23,579 | 31,419 | 25,414 | 211,223 | 207,861 | 1.6 |
| Computers and related products..... | 4,891 | 4,811 | 5,539 | 1.7 | -13.1 | 0.3 | 4,404 | 4,207 | 6,539 | 5,342 | 39,713 | 41,248 | -3.7 |
| Motor vehicle and parts..... | 30,238 | 33,042 | 32,855 | -8.5 | 0.6 | 2.1 | 31,491 | 24,576 | 34,762 | 44,500 | 267,485 | 324,189 | -17.5 |
| Capital goods..... | 78,588 | 83,583 | 83,256 | -6.0 | 0.4 | -0.2 | 73,685 | 72,356 | 87,829 | 77,749 | 643,515 | 638,133 | 0.8 |
| Nondefense capital goods ³ | 68,622 | 74,498 | 71,958 | -7.9 | 3.5 | -2.3 | 64,784 | 65,996 | 76,478 | 68,398 | 572,461 | 578,594 | -1.1 |
| Excluding aircraft..... | 64,703 | 66,300 | 66,070 | -2.4 | 0.3 | 1.6 | 60,491 | 60,988 | 69,878 | 60,602 | 514,292 | 497,171 | 3.4 |
| Defense capital goods ⁴ | 9,966 | 9,085 | 11,298 | 9.7 | -19.6 | 15.4 | 8,901 | 6,360 | 11,351 | 9,351 | 71,054 | 59,539 | 19.3 |
| Consumer goods..... | 184,427 | 193,526 | 192,091 | -4.7 | 0.7 | 2.5 | 192,263 | 190,594 | 196,613 | 178,169 | 1,473,670 | 1,330,964 | 10.7 |
| Consumer durable goods..... | 28,532 | 30,288 | 30,017 | -5.8 | 0.9 | 0.8 | 28,944 | 24,031 | 31,572 | 38,301 | 242,259 | 279,022 | -13.2 |
| Consumer nondurable goods..... | 155,895 | 163,238 | 162,074 | -4.5 | 0.7 | 2.8 | 163,319 | 166,563 | 165,041 | 139,868 | 1,231,411 | 1,051,942 | 17.1 |
| UNFILLED ORDERS | | | | | | | | | | | | | |
| All manufacturing industries ⁵ | 827,214 | 824,232 | 818,023 | 0.4 | 0.8 | 1.0 | 820,303 | 821,604 | 819,678 | 726,261 | (X) | (X) | 12.9 |
| Construction materials and supplies..... | 56,141 | 55,682 | 54,629 | 0.8 | 1.9 | 2.2 | 56,473 | 56,698 | 55,642 | 48,565 | (X) | (X) | 16.3 |
| Information technology..... | 121,572 | 120,958 | 121,245 | 0.5 | -0.2 | 1.0 | 119,910 | 120,712 | 121,282 | 115,253 | (X) | (X) | 4.0 |
| Computers and related products..... | 3,905 | 3,823 | 3,957 | 2.1 | -3.4 | 9.6 | 3,905 | 3,823 | 3,957 | 3,988 | (X) | (X) | -2.1 |
| Motor vehicle and parts..... | 17,465 | 17,381 | 17,506 | 0.5 | -0.7 | -0.3 | 17,270 | 17,591 | 17,251 | 18,854 | (X) | (X) | -8.4 |
| Capital goods..... | 621,597 | 618,906 | 613,476 | 0.4 | 0.9 | 1.0 | 615,007 | 615,062 | 614,154 | 534,483 | (X) | (X) | 15.1 |
| Nondefense capital goods ³ | 481,472 | 479,668 | 474,215 | 0.4 | 1.1 | 0.8 | 477,460 | 477,362 | 474,357 | 403,078 | (X) | (X) | 18.5 |
| Excluding aircraft..... | 206,837 | 204,627 | 202,177 | 1.1 | 1.2 | 1.2 | 204,852 | 204,893 | 202,876 | 187,103 | (X) | (X) | 9.5 |
| Defense capital goods ⁴ | 140,125 | 139,238 | 139,261 | 0.6 | 0.0 | 1.6 | 137,547 | 137,700 | 139,797 | 131,405 | (X) | (X) | 4.7 |
| Consumer goods..... | 8,502 | 8,865 | 8,845 | -4.1 | 0.2 | 0.7 | 8,473 | 8,882 | 8,626 | 9,687 | (X) | (X) | -12.5 |
| Consumer durable goods..... | 8,502 | 8,865 | 8,845 | -4.1 | 0.2 | 0.7 | 8,473 | 8,882 | 8,626 | 9,687 | (X) | (X) | -12.5 |
| TOTAL INVENTORIES | | | | | | | | | | | | | |
| All manufacturing industries..... | 562,453 | 559,070 | 555,627 | 0.6 | 0.6 | 1.2 | 566,910 | 563,051 | 553,170 | 521,865 | (X) | (X) | 8.6 |
| Construction materials and supplies..... | 60,799 | 60,415 | 59,783 | 0.6 | 1.1 | 0.7 | 60,996 | 60,832 | 59,547 | 59,544 | (X) | (X) | 2.4 |
| Information technology..... | 42,144 | 41,799 | 41,730 | 0.8 | 0.2 | 0.0 | 42,884 | 41,983 | 40,887 | 40,081 | (X) | (X) | 7.0 |
| Computers and related products..... | 5,025 | 5,006 | 5,082 | 0.4 | -1.5 | -1.5 | 5,311 | 5,034 | 4,887 | 4,895 | (X) | (X) | 8.5 |
| Motor vehicle and parts..... | 23,354 | 23,470 | 23,693 | -0.5 | -0.9 | 0.2 | 23,408 | 23,635 | 23,369 | 24,992 | (X) | (X) | -6.3 |
| Capital goods..... | 158,910 | 157,838 | 155,830 | 0.7 | 1.3 | 0.7 | 160,532 | 158,374 | 154,172 | 142,528 | (X) | (X) | 12.6 |
| Nondefense capital goods ³ | 139,832 | 138,532 | 136,602 | 0.9 | 1.4 | 0.8 | 141,453 | 139,086 | 134,987 | 125,248 | (X) | (X) | 12.9 |
| Excluding aircraft..... | 108,443 | 107,802 | 107,184 | 0.6 | 0.6 | 0.5 | 109,505 | 108,082 | 105,867 | 102,419 | (X) | (X) | 6.9 |
| Defense capital goods ⁴ | 19,078 | 19,306 | 19,228 | -1.2 | 0.4 | -0.4 | 19,079 | 19,288 | 19,185 | 17,280 | (X) | (X) | 10.4 |
| Consumer goods..... | 167,473 | 167,433 | 168,363 | 0.0 | -0.6 | 2.4 | 169,737 | 169,338 | 168,476 | 156,140 | (X) | (X) | 8.7 |
| Consumer durable goods..... | 28,465 | 28,408 | 28,556 | 0.2 | -0.5 | 0.3 | 28,909 | 28,692 | 28,208 | 29,316 | (X) | (X) | -1.4 |
| Consumer nondurable goods..... | 139,008 | 139,025 | 139,807 | 0.0 | -0.6 | 2.9 | 140,828 | 140,646 | 140,268 | 126,824 | (X) | (X) | 11.0 |

^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 | | | | Percent Change Aug. 08/07 |
|---|------------------------|------------------------|-----------|----------------|-------------|------------|-------------------------|------------------------|-----------|-----------|---------------------------|
| | Monthly | | | Percent Change | | | Monthly | | | | |
| | Aug. 2008 ^p | July 2008 ^f | June 2008 | July - Aug. | June - July | May - June | Aug. 2008 ^p | July 2008 ^f | June 2008 | Aug. 2007 | |
| MATERIALS AND SUPPLIES | | | | | | | | | | | |
| All manufacturing industries..... | 192,348 | 192,171 | 190,385 | 0.1 | 0.9 | 1.0 | 193,188 | 193,574 | 189,605 | 181,516 | 6.4 |
| Durable goods industries..... | 115,886 | 115,486 | 113,575 | 0.3 | 1.7 | 1.2 | 116,657 | 116,464 | 112,198 | 109,329 | 6.7 |
| Wood products..... | 4,278 | 4,307 | 4,216 | -0.7 | 2.2 | 1.0 | 4,301 | 4,214 | 3,955 | 4,588 | -6.3 |
| Nonmetallic mineral products..... | 4,903 | 4,896 | 4,830 | 0.1 | 1.4 | -0.3 | 4,917 | 4,913 | 4,822 | 4,628 | 6.2 |
| Primary metals..... | 13,355 | 12,991 | 12,600 | 2.8 | 3.1 | 4.0 | 13,520 | 13,104 | 12,539 | 11,485 | 17.7 |
| Fabricated metal products..... | 16,788 | 16,599 | 16,104 | 1.1 | 3.1 | 2.1 | 16,806 | 16,774 | 15,985 | 15,319 | 9.7 |
| Machinery..... | 21,075 | 21,007 | 20,708 | 0.3 | 1.4 | 1.3 | 21,165 | 21,129 | 20,523 | 19,825 | 6.8 |
| Computers and electronic products..... | 15,419 | 15,473 | 15,473 | -0.3 | 0.0 | 0.0 | 15,753 | 15,578 | 15,238 | 16,130 | -2.3 |
| Electrical equipment, appliances, and components..... | 6,212 | 6,173 | 6,168 | 0.6 | 0.1 | 1.0 | 6,127 | 6,162 | 6,110 | 5,640 | 8.6 |
| Transportation equipment..... | 22,350 | 22,540 | 22,090 | -0.8 | 2.0 | 0.7 | 22,432 | 22,944 | 21,635 | 20,461 | 9.6 |
| Furniture and related products..... | 3,959 | 3,930 | 3,877 | 0.7 | 1.4 | -1.2 | 3,975 | 3,982 | 3,925 | 3,801 | 4.6 |
| Miscellaneous products..... | 7,547 | 7,570 | 7,509 | -0.3 | 0.8 | 0.2 | 7,661 | 7,664 | 7,466 | 7,452 | 2.8 |
| Nondurable goods industries..... | 76,462 | 76,685 | 76,810 | -0.3 | -0.2 | 0.8 | 76,531 | 77,110 | 77,407 | 72,187 | 6.0 |
| Food products..... | 14,017 | 14,303 | 14,379 | -2.0 | -0.5 | 1.4 | 13,573 | 14,023 | 14,069 | 13,120 | 3.5 |
| Beverage and tobacco products..... | 4,439 | 4,422 | 4,420 | 0.4 | 0.0 | -0.2 | 4,272 | 4,255 | 4,319 | 4,377 | -2.4 |
| Textiles..... | 1,179 | 1,206 | 1,188 | -2.2 | 1.5 | 2.7 | 1,173 | 1,201 | 1,181 | 1,209 | -3.0 |
| Textile products..... | 1,308 | 1,305 | 1,286 | 0.2 | 1.5 | -0.5 | 1,318 | 1,328 | 1,292 | 1,253 | 5.2 |
| Apparel..... | 1,070 | 1,077 | 1,087 | -0.6 | -0.9 | -1.7 | 1,066 | 1,085 | 1,085 | 1,049 | 1.6 |
| Leather and allied products..... | 357 | 365 | 373 | -2.2 | -2.1 | -0.8 | 363 | 370 | 369 | 416 | -12.7 |
| Paper products..... | 7,463 | 7,413 | 7,397 | 0.7 | 0.2 | 0.2 | 7,428 | 7,385 | 7,383 | 7,151 | 3.9 |
| Printing..... | 3,068 | 3,081 | 3,093 | -0.4 | -0.4 | -2.6 | 3,163 | 3,167 | 3,159 | 2,982 | 6.1 |
| Petroleum and coal products..... | 13,028 | 13,204 | 13,950 | -1.3 | -5.3 | 5.0 | 13,550 | 13,847 | 14,810 | 12,026 | 12.7 |
| Chemical products..... | 21,255 | 21,000 | 20,598 | 1.2 | 2.0 | -1.6 | 21,328 | 21,080 | 20,778 | 20,002 | 6.6 |
| Plastics and rubber products..... | 9,278 | 9,309 | 9,039 | -0.3 | 3.0 | 2.3 | 9,297 | 9,369 | 8,962 | 8,602 | 8.1 |
| WORK IN PROCESS | | | | | | | | | | | |
| All manufacturing industries..... | 167,297 | 165,838 | 163,651 | 0.9 | 1.3 | 0.3 | 168,947 | 166,990 | 162,153 | 145,485 | 16.1 |
| Durable goods industries..... | 124,502 | 123,197 | 122,118 | 1.1 | 0.9 | 0.8 | 125,828 | 123,950 | 121,178 | 110,141 | 14.2 |
| Wood products..... | 1,943 | 1,926 | 1,907 | 0.9 | 1.0 | 1.5 | 1,964 | 1,936 | 1,900 | 2,113 | -7.1 |
| Nonmetallic mineral products..... | 1,290 | 1,304 | 1,322 | -1.1 | -1.4 | 1.1 | 1,281 | 1,316 | 1,344 | 1,301 | -1.5 |
| Primary metals..... | 10,967 | 10,872 | 10,722 | 0.9 | 1.4 | -0.3 | 11,054 | 11,105 | 10,841 | 10,229 | 8.1 |
| Fabricated metal products..... | 13,534 | 13,455 | 13,302 | 0.6 | 1.2 | 1.1 | 13,704 | 13,701 | 13,641 | 12,647 | 8.4 |
| Machinery..... | 15,004 | 14,795 | 14,704 | 1.4 | 0.6 | 1.0 | 15,299 | 14,886 | 14,675 | 14,534 | 5.3 |
| Computers and electronic products..... | 21,176 | 21,072 | 20,872 | 0.5 | 1.0 | -0.4 | 21,543 | 21,306 | 20,495 | 18,624 | 15.7 |
| Electrical equipment, appliances, and components..... | 3,126 | 3,100 | 3,177 | 0.8 | -2.4 | 1.9 | 3,155 | 3,174 | 3,240 | 2,940 | 7.3 |
| Transportation equipment..... | 52,733 | 51,855 | 51,224 | 1.7 | 1.2 | 1.2 | 53,044 | 51,740 | 50,513 | 42,939 | 23.5 |
| Furniture and related products..... | 1,213 | 1,270 | 1,308 | -4.5 | -2.9 | 0.7 | 1,218 | 1,287 | 1,324 | 1,363 | -10.6 |
| Miscellaneous products..... | 3,516 | 3,548 | 3,580 | -0.9 | -0.9 | 3.8 | 3,566 | 3,600 | 3,575 | 3,451 | 3.3 |
| Nondurable goods industries..... | 42,795 | 42,641 | 41,533 | 0.4 | 2.7 | -1.2 | 43,119 | 43,040 | 40,975 | 35,344 | 22.0 |
| Food products..... | 2,276 | 2,283 | 2,343 | -0.3 | -2.6 | -4.3 | 2,064 | 2,037 | 2,078 | 2,410 | -14.4 |
| Beverage and tobacco products..... | 4,241 | 4,213 | 4,227 | 0.7 | -0.3 | 0.1 | 3,849 | 3,788 | 3,898 | 4,061 | -5.2 |
| Textiles..... | 897 | 899 | 860 | -0.2 | 4.5 | -5.4 | 904 | 910 | 858 | 965 | -6.3 |
| Textile products..... | 417 | 409 | 400 | 2.0 | 2.3 | -1.2 | 417 | 412 | 402 | 451 | -7.5 |
| Apparel..... | 671 | 674 | 669 | -0.4 | 0.7 | 1.1 | 676 | 681 | 679 | 705 | -4.1 |
| Leather and allied products..... | 90 | 88 | 90 | 2.3 | -2.2 | -1.1 | 92 | 89 | 87 | 90 | 2.2 |
| Paper products..... | 1,538 | 1,491 | 1,520 | 3.2 | -1.9 | 2.4 | 1,573 | 1,510 | 1,529 | 1,415 | 11.2 |
| Printing..... | 1,705 | 1,699 | 1,778 | 0.4 | -4.4 | 0.8 | 1,814 | 1,801 | 1,716 | 1,966 | -7.7 |
| Petroleum and coal products..... | 13,549 | 13,599 | 12,595 | -0.4 | 8.0 | -4.1 | 13,913 | 14,149 | 12,387 | 7,641 | 82.1 |
| Chemical products..... | 14,831 | 14,763 | 14,567 | 0.5 | 1.3 | 1.0 | 15,267 | 15,162 | 14,898 | 13,207 | 15.6 |
| Plastics and rubber products..... | 2,580 | 2,523 | 2,484 | 2.3 | 1.6 | -0.6 | 2,550 | 2,501 | 2,443 | 2,433 | 4.8 |
| FINISHED GOODS | | | | | | | | | | | |
| All manufacturing industries..... | 202,808 | 201,061 | 201,591 | 0.9 | -0.3 | 2.2 | 204,775 | 202,487 | 201,412 | 194,864 | 5.1 |
| Durable goods industries..... | 98,460 | 97,502 | 97,434 | 1.0 | 0.1 | 0.4 | 98,999 | 97,865 | 97,284 | 96,113 | 3.0 |
| Wood products..... | 4,303 | 4,272 | 4,239 | 0.7 | 0.8 | 0.4 | 4,259 | 4,251 | 4,306 | 4,757 | -10.5 |
| Nonmetallic mineral products..... | 5,712 | 5,681 | 5,728 | 0.5 | -0.8 | -0.6 | 5,651 | 5,722 | 5,782 | 5,606 | 0.8 |
| Primary metals..... | 10,753 | 10,177 | 10,193 | 5.7 | -0.2 | 0.9 | 10,735 | 10,211 | 10,163 | 9,795 | 9.6 |
| Fabricated metal products..... | 14,453 | 14,278 | 14,147 | 1.2 | 0.9 | 0.7 | 14,274 | 14,357 | 14,189 | 13,430 | 6.3 |
| Machinery..... | 18,438 | 18,444 | 18,437 | 0.0 | 0.0 | -0.6 | 18,181 | 18,075 | 18,102 | 17,077 | 6.5 |
| Computers and electronic products..... | 10,269 | 9,978 | 9,991 | 2.9 | -0.1 | 0.2 | 10,530 | 10,040 | 9,694 | 9,733 | 8.2 |
| Electrical equipment, appliances, and components..... | 5,832 | 5,872 | 5,898 | -0.7 | -0.4 | 0.0 | 5,790 | 5,870 | 5,827 | 5,782 | 0.1 |
| Transportation equipment..... | 13,759 | 13,923 | 13,980 | -1.2 | -0.4 | 1.4 | 14,383 | 14,303 | 14,391 | 14,944 | -3.8 |
| Furniture and related products..... | 2,770 | 2,741 | 2,718 | 1.1 | 0.8 | -0.1 | 2,835 | 2,843 | 2,859 | 3,051 | -7.1 |
| Miscellaneous products..... | 12,171 | 12,136 | 12,103 | 0.3 | 0.3 | 1.1 | 12,361 | 12,193 | 11,971 | 11,938 | 3.5 |
| Nondurable goods industries..... | 104,348 | 103,559 | 104,157 | 0.8 | -0.6 | 4.0 | 105,776 | 104,622 | 104,128 | 98,751 | 7.1 |
| Food products..... | 21,302 | 21,272 | 21,284 | 0.1 | -0.1 | 0.4 | 21,966 | 21,265 | 20,738 | 21,319 | 3.0 |
| Beverage and tobacco products..... | 6,418 | 6,407 | 6,453 | 0.2 | -0.7 | -0.6 | 6,534 | 6,408 | 6,417 | 6,214 | 5.1 |
| Textiles..... | 1,561 | 1,564 | 1,556 | -0.2 | 0.5 | -1.5 | 1,576 | 1,571 | 1,553 | 1,644 | -4.1 |
| Textile products..... | 1,560 | 1,576 | 1,536 | -1.0 | 2.6 | -1.0 | 1,579 | 1,585 | 1,543 | 1,676 | -5.8 |
| Apparel..... | 2,798 | 2,783 | 2,747 | 0.5 | 1.3 | 1.1 | 2,951 | 2,931 | 2,850 | 2,698 | 9.4 |
| Leather and allied products..... | 562 | 559 | 540 | 0.5 | 3.5 | -1.5 | 577 | 568 | 546 | 588 | -1.9 |
| Paper products..... | 6,510 | 6,487 | 6,553 | 0.4 | -1.0 | 0.1 | 6,471 | 6,513 | 6,539 | 6,404 | 1.0 |
| Printing..... | 1,938 | 1,964 | 1,978 | -1.3 | -0.7 | 0.1 | 2,012 | 2,032 | 2,011 | 1,951 | 3.1 |
| Petroleum and coal products..... | 16,584 | 16,591 | 17,510 | 0.0 | -5.2 | 27.2 | 17,221 | 17,383 | 18,285 | 13,381 | 28.7 |
| Chemical products..... | 33,698 | 33,306 | 33,090 | 1.2 | 0.7 | 0.4 | 33,745 | 33,516 | 32,913 | 32,854 | 2.7 |
| Plastics and rubber products..... | 11,417 | 11,050 | 10,910 | 3.3 | 1.3 | 0.3 | 11,144 | 10,850 | 10,733 | 10,022 | 11.2 |

^p Preliminary^f 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 | | | |
|---|---------------------------|-----------------------|----------|----------|--|-----------------------|----------|----------|
| | Aug 2008 ^p | Jul 2008 ^r | Jun 2008 | May 2008 | Aug 2008 ^p | Jul 2008 ^r | Jun 2008 | May 2008 |
| All manufacturing industries ² | 1.26 | 1.21 | 1.22 | 1.23 | (X) | (X) | (X) | (X) |
| Durable goods industries ² | 1.62 | 1.55 | 1.56 | 1.57 | 5.48 | 5.25 | 5.30 | 5.33 |
| Wood products..... | 1.29 | 1.27 | 1.25 | 1.27 | (X) | (X) | (X) | (X) |
| Nonmetallic mineral products..... | 1.28 | 1.26 | 1.26 | 1.29 | (X) | (X) | (X) | (X) |
| Primary metals..... | 1.50 | 1.42 | 1.45 | 1.48 | 1.23 | 1.26 | 1.28 | 1.30 |
| Fabricated metal products..... | 1.60 | 1.55 | 1.55 | 1.55 | 2.29 | 2.25 | 2.30 | 2.33 |
| Machinery..... | 1.89 | 1.86 | 1.83 | 1.86 | 4.16 | 4.04 | 3.81 | 3.83 |
| Computers and electronic products ² | 1.49 | 1.40 | 1.48 | 1.43 | 5.25 | 5.08 | 5.21 | 5.07 |
| Electrical equipment, appliances, and components..... | 1.44 | 1.37 | 1.42 | 1.41 | 2.59 | 2.48 | 2.59 | 2.50 |
| Transportation equipment..... | 1.78 | 1.63 | 1.65 | 1.67 | 13.57 | 12.32 | 12.62 | 12.88 |
| Furniture and related products..... | 1.24 | 1.21 | 1.20 | 1.22 | 1.34 | 1.29 | 1.27 | 1.27 |
| Miscellaneous products..... | 1.77 | 1.75 | 1.77 | 1.71 | (X) | (X) | (X) | (X) |
| Nondurable goods industries..... | 0.94 | 0.91 | 0.92 | 0.92 | (X) | (X) | (X) | (X) |
| Food products..... | 0.73 | 0.72 | 0.74 | 0.74 | (X) | (X) | (X) | (X) |
| Beverage and tobacco products..... | 1.29 | 1.27 | 1.31 | 1.30 | (X) | (X) | (X) | (X) |
| Textiles..... | 1.28 | 1.26 | 1.27 | 1.30 | (X) | (X) | (X) | (X) |
| Textile products..... | 1.47 | 1.43 | 1.37 | 1.37 | (X) | (X) | (X) | (X) |
| Apparel..... | 1.73 | 1.67 | 1.67 | 1.70 | (X) | (X) | (X) | (X) |
| Leather and allied products..... | 2.14 | 2.14 | 2.16 | 2.08 | (X) | (X) | (X) | (X) |
| Paper products..... | 1.05 | 1.05 | 1.08 | 1.09 | (X) | (X) | (X) | (X) |
| Printing..... | 0.82 | 0.81 | 0.83 | 0.84 | (X) | (X) | (X) | (X) |
| Petroleum and coal products..... | 0.67 | 0.62 | 0.63 | 0.60 | (X) | (X) | (X) | (X) |
| Chemical products..... | 1.16 | 1.14 | 1.13 | 1.16 | (X) | (X) | (X) | (X) |
| Plastics and rubber products..... | 1.31 | 1.25 | 1.24 | 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 | |
|---|-----------------------------------|--------------------------------|-----------------------|--------------------------------|-----------------------|--------------------------------|-----------------------|--------------------------------|
| | Aug ¹ 2008 | Aug ² 2007-Jul 2008 | Aug ¹ 2008 | Aug ² 2007-Jul 2008 | Aug ¹ 2008 | Aug ² 2007-Jul 2008 | Aug ¹ 2008 | Aug ² 2007-Jul 2008 |
| | All manufacturing industries..... | (X) | 0.2 | (X) | 0.3 | (X) | 0.1 | (X) |
| Durable goods industries..... | -0.3 | 0.4 | -0.3 | 0.6 | 0.0 | 0.1 | 0.1 | 0.1 |
| Wood products..... | (X) | 0.6 | (X) | (NA) | (X) | (NA) | (X) | 0.7 |
| Nonmetallic mineral products..... | (X) | 0.4 | (X) | (NA) | (X) | (NA) | (X) | 0.3 |
| Primary metals..... | -0.1 | 0.3 | -0.3 | 0.7 | -0.1 | 0.5 | 0.5 | 0.2 |
| Fabricated metal products..... | -0.3 | 0.4 | -0.2 | 0.9 | 0.0 | 0.3 | 0.1 | 0.2 |
| Machinery..... | -0.2 | 0.3 | -0.4 | 1.1 | 0.0 | 0.4 | 0.0 | 0.2 |
| Computers and electronic products..... | -0.3 | 1.1 | 0.1 | 1.1 | 0.2 | 0.2 | 0.3 | 0.2 |
| Electrical equipment, appliances, and components..... | -0.4 | 0.5 | -0.8 | 3.2 | -0.2 | 1.4 | -0.1 | 0.5 |
| Transportation equipment..... | -0.3 | 0.7 | -0.2 | 1.3 | 0.0 | 0.1 | 0.0 | 0.1 |
| Furniture and related products..... | (X) | 0.5 | (X) | 0.6 | (X) | 0.4 | (X) | 0.3 |
| Miscellaneous products..... | (X) | 0.5 | (X) | 0.8 | (X) | 0.9 | (X) | 0.2 |
| Nondurable goods industries..... | (X) | 0.3 | (X) | (NA) | (X) | (NA) | (X) | 0.2 |
| Food products..... | (X) | 0.2 | (X) | (NA) | (X) | (NA) | (X) | 0.2 |
| Beverage and tobacco products..... | (X) | 0.3 | (X) | (NA) | (X) | (NA) | (X) | 0.2 |
| Textiles..... | (X) | 0.5 | (X) | (NA) | (X) | (NA) | (X) | 0.4 |
| Textile products..... | (X) | 0.5 | (X) | (NA) | (X) | (NA) | (X) | 0.2 |
| Apparel..... | (X) | 1.7 | (X) | (NA) | (X) | (NA) | (X) | 0.8 |
| Leather and allied products..... | (X) | 1.2 | (X) | (NA) | (X) | (NA) | (X) | 0.9 |
| Paper products..... | (X) | 0.6 | (X) | (NA) | (X) | (NA) | (X) | 0.2 |
| Printing..... | (X) | 0.6 | (X) | (NA) | (X) | (NA) | (X) | 1.2 |
| Petroleum and coal products..... | (X) | 1.2 | (X) | (NA) | (X) | (NA) | (X) | 0.7 |
| Chemical products..... | (X) | 0.4 | (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

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 4,300 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 61 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 4,300 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 4,300 companies would yield different results. The M3 panel is comprised of companies with \$500 million or more in shipments and a limited number of smaller companies. From a statistical perspective, the panel is not a probability sample; therefore, the sampling errors that are normally provided with sample surveys cannot be measured. Nonsampling errors are attributable to many sources. The use of company or divisional reports to estimate the monthly change for establishments is one source of nonsampling error. The use of primarily large companies to represent the month-to-month movement of all companies is another potential source. Any corrections in the data will be released in the next month's advance report. Any revisions made later than two months will be reflected in the annual benchmark publication.

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

2009 Release Dates for M3 Survey

| Survey Month | Advance 8:30 A.M. | Preliminary 10:00 A.M. |
|----------------|-------------------|------------------------|
| November 2008 | Dec. 24, 2008 | Jan. 6, 2009 |
| December 2008 | Jan. 29, 2009 | Feb. 5, 2009 |
| January 2009 | Feb. 26, 2009 | Mar. 5, 2009 |
| February 2009 | Mar. 25, 2009 | Apr. 2, 2009 |
| March 2009 | Apr. 24, 2009 | May 1, 2009 |
| April 2009 | May 28, 2009 | Jun. 3, 2009 |
| May 2009 | Jun. 24, 2009 | Jul. 2, 2009 |
| June 2009 | Jul. 29, 2009 | Aug. 5, 2009 |
| July 2009 | Aug. 26, 2009 | Sep. 2, 2009 |
| August 2009 | Sep. 25, 2009 | Oct. 2, 2009 |
| September 2009 | Oct. 28, 2009 | Nov. 3, 2009 |
| October 2009 | Nov. 25, 2009 | Dec. 4, 2009 |
| November 2009 | Dec. 24, 2009 | |