Advance Report on Durable Goods Manufacturers’ Shipments, Inventories and Orders
July 2009

New Orders

New orders for manufactured durable goods in July increased $7.8 billion or 4.9 percent to $168.4 billion, the U.S. Census Bureau announced today. This was the third increase in the last four months and the largest percent increase since July 2007. This followed a 1.3 percent June decrease. Excluding transportation, new orders increased 0.8 percent. Excluding defense, new orders increased 4.3 percent.

Transportation equipment, up three of the last four months, had the largest increase, $6.8 billion or 18.4 percent to $43.7 billion.

Shipments

Shipments of manufactured durable goods in July, up two consecutive months, increased $3.5 billion or 2.0 percent to $173.1 billion. This followed a 0.7 percent June increase.

Computers and electronic products, up three of the last four months, had the largest increase, $2.1 billion or 7.4 percent to $29.8 billion.

Unfilled Orders

Unfilled orders for manufactured durable goods in July, down ten consecutive months, decreased $0.4 billion or 0.1 percent to $740.2 billion. This was the longest streak of consecutive monthly decreases since the series was first published on a NAICS basis in 1992 and followed a 0.8 percent June decrease.

Machinery, down ten consecutive months, had the largest decrease, $0.7 billion or 0.8 percent to $86.9 billion.

Inventories

Inventories of manufactured durable goods in July, down seven consecutive months, decreased $2.7 billion or 0.8 percent to $314.1 billion. This followed a 1.5 percent June decrease.

Primary metals, down ten consecutive months, had the largest decrease, $0.7 billion or 2.8 percent to $25.5 billion.

Capital Goods

Nondefense new orders for capital goods in July increased $4.6 billion or 8.6 percent to $57.5 billion. Shipments increased $0.5 billion or 0.8 percent to $56.9 billion. Unfilled orders increased $0.6 billion or 0.1 percent to $426.2 billion. Inventories decreased $1.0 billion or 0.7 percent to $138.5 billion.

Defense new orders for capital goods in July increased $1.3 billion or 14.8 percent to $9.8 billion. Shipments decreased $0.4 billion or 3.6 percent to $10.4 billion. Unfilled orders decreased $0.7 billion or 0.5 percent to $141.5 billion. Inventories increased $0.1 billion or 0.7 percent to $20.2 billion.

Revised June Data

Revised seasonally adjusted June figures for all manufacturing industries were: new orders, $350.7 billion (revised from $349.0 billion); shipments, $359.7 billion (revised from $358.3 billion); unfilled orders, $740.7 billion (revised from $740.2 billion); and total inventories, $507.2 billion (revised from $508.3 billion).

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>.

Revised and more detailed estimates, plus nondurable goods data, will be published on September 2, 2009, at 10:00 a.m. EDT. The advance report on durable goods for August is scheduled for release on September 25, 2009, at 8:30 a.m. EDT. See back page for survey description.
### Table 1. Durable Goods Manufacturers' Shipments and New Orders [Millions of Dollars]

<table>
<thead>
<tr>
<th>Item</th>
<th>Monthly Seasonally Adjusted</th>
<th>Monthly Not Seasonally Adjusted</th>
<th>Year to Date</th>
<th>Percent Change 09/08</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Total:</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Shipments</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>New Orders</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Excluding transportation:</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Shipments</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>New Orders</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Excluding defense:</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Shipments</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>New Orders</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Manufacturing with unfilled orders:</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Shipments</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>New Orders</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Primary metals:</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Shipments</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>New Orders</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Fabricated metal products:</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Shipments</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>New Orders</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Machinery:</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Shipments</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>New Orders</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Computers and electronic products:</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Shipments</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>New Orders</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Electrical equipment, appliances, and components:</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Shipments</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>New Orders</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Transportation equipment:</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Shipments</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>New Orders</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Motor vehicles and parts:</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Shipments</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>New Orders</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Nondurable aircraft and parts:</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Shipments</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>New Orders</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Defense aircraft and parts:</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Shipments</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>New Orders</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>All other durable goods:</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Shipments</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>New Orders</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Capital goods:</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Shipments</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>New Orders</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Nondefense capital goods:</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Shipments</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>New Orders</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Excluding aircraft:</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Shipments</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>New Orders</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Defense capital goods:</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Shipments</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>New Orders</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Percent Change**

1. Shipsments and new orders are the totals for trading day and calendar-month variations; unfilled orders and total inventories are as of the end of the period and are not adjusted for trading day or calendar-month variations.
2. Based on advance sample. 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 nonsampling and, 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: M3-3071, "Manufacturers' Shipments, Inventories, and Orders: 2004-2007.
3. The Capital Goods Industries include: Nondefense: 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; 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 include: small arms and ordnance, communications equipment, aircraft; missiles, space vehicles, and parts, ships and boats, and search and navigation equipment.
5. Data on new and unfilled orders are not available for the semiconductor industry. Estimates and percent changes for new orders and unfilled orders exclude semiconductor industry data.
6. Inventories for semiconductor industry data are included in electronic and computer products and total durable goods industries, but are not shown separately.

**Not Available:** NA

* Revised

**Source:** U.S. Census Bureau, Manufacturing and Trade Surveys Division.
<table>
<thead>
<tr>
<th>Item</th>
<th>Monthly Adjusted</th>
<th>Seasonally Adjusted</th>
<th>Percent Change</th>
<th>Not Seasonally Adjusted</th>
<th>Percent Change 2008/2009</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Total</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td>314,108</td>
<td>316,791</td>
<td>321,576</td>
<td>-0.8</td>
<td>-1.5</td>
</tr>
<tr>
<td>Excluding transportation:</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td>306,267</td>
<td>307,124</td>
<td>307,428</td>
<td>-0.1</td>
<td>-0.1</td>
</tr>
<tr>
<td>Excluding defense:</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td>582,366</td>
<td>582,377</td>
<td>586,278</td>
<td>0.0</td>
<td>-0.7</td>
</tr>
<tr>
<td>Manufacturing with unfilled orders:</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td>740,245</td>
<td>740,687</td>
<td>746,744</td>
<td>-0.1</td>
<td>-0.8</td>
</tr>
<tr>
<td>Excluding transportation:</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td>307,124</td>
<td>307,428</td>
<td>321,576</td>
<td>-0.8</td>
<td>-1.5</td>
</tr>
<tr>
<td>Excluding defense:</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td>582,377</td>
<td>586,278</td>
<td>586,278</td>
<td>-0.1</td>
<td>-0.7</td>
</tr>
<tr>
<td><strong>DURABLE GOODS</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Primary metals:</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td>14,708</td>
<td>14,335</td>
<td>13,536</td>
<td>2.6</td>
<td>5.9</td>
</tr>
<tr>
<td><strong>Fabricated metal products:</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td>49,350</td>
<td>49,813</td>
<td>50,758</td>
<td>-0.9</td>
<td>-1.9</td>
</tr>
<tr>
<td><strong>Machinery:</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td>86,855</td>
<td>87,555</td>
<td>87,577</td>
<td>-0.8</td>
<td>0.0</td>
</tr>
<tr>
<td><strong>Computers and electronic products:</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td>123,956</td>
<td>124,087</td>
<td>123,826</td>
<td>0.2</td>
<td>0.2</td>
</tr>
<tr>
<td><strong>Semiconductors:</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td>3,854</td>
<td>3,810</td>
<td>3,516</td>
<td>1.2</td>
<td>8.4</td>
</tr>
<tr>
<td><strong>Electrical equipment, appliances, and components:</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td>12,879</td>
<td>12,934</td>
<td>13,194</td>
<td>-2.9</td>
<td>-2.0</td>
</tr>
<tr>
<td><strong>Transportation equipment:</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td>433,978</td>
<td>433,563</td>
<td>439,316</td>
<td>-1.3</td>
<td>-1.7</td>
</tr>
<tr>
<td><strong>Motor vehicles and parts:</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td>14,002</td>
<td>14,586</td>
<td>14,761</td>
<td>-0.6</td>
<td>-1.2</td>
</tr>
<tr>
<td><strong>Nondefense Aircraft and parts:</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td>285,883</td>
<td>284,415</td>
<td>287,297</td>
<td>-0.5</td>
<td>-1.0</td>
</tr>
<tr>
<td><strong>Defense Aircraft and parts:</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td>141,501</td>
<td>142,169</td>
<td>144,492</td>
<td>-0.5</td>
<td>-1.6</td>
</tr>
<tr>
<td><strong>All other durable goods:</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td>11,249</td>
<td>11,232</td>
<td>11,388</td>
<td>0.2</td>
<td>-1.4</td>
</tr>
<tr>
<td><strong>Capital goods:</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td>567,234</td>
<td>567,843</td>
<td>573,712</td>
<td>-0.1</td>
<td>-1.0</td>
</tr>
<tr>
<td><strong>Nondefense capital goods:</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td>426,233</td>
<td>425,674</td>
<td>429,220</td>
<td>0.1</td>
<td>-0.8</td>
</tr>
<tr>
<td><strong>Defense capital goods:</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td>141,501</td>
<td>142,169</td>
<td>144,492</td>
<td>-0.5</td>
<td>-1.6</td>
</tr>
</tbody>
</table>

See footnotes at end of Table 1
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 will be published in the full report. Corrections received after the full report 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.