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## Advance Report on Durable Goods Manufacturers' Shipments, Inventories and Orders December 2016

## New Orders

New orders for manufactured durable goods in December decreased $\$ 1.0$ billion or 0.4 percent to $\$ 227.0$ billion, the U.S. Census Bureau announced today. This decrease, down two consecutive months, followed a 4.8 percent November decrease. Excluding transportation, new orders increased 0.5 percent. Excluding defense, new orders increased 1.7 percent.

Transportation equipment, also down two consecutive months, drove the decrease, $\$ 1.7$ billion or 2.2 percent to $\$ 73.7$ billion.

## Shipments

Shipments of manufactured durable goods in December, up three of the last four months, increased $\$ 3.3$ billion or 1.4 percent to $\$ 238.0$ billion. This followed a 0.3 percent November increase.

Transportation equipment, up following two consecutive monthly decreases, led the increase, \$2.0 billion or 2.5 percent to $\$ 82.3$ billion.

## Unfilled Orders

Unfilled orders for manufactured durable goods in December, down six of the last seven months, decreased $\$ 7.2$ billion or 0.6 percent to $\$ 1,119.4$ billion. This followed a 0.3 percent November decrease.

Transportation equipment, also down six of the last seven months, drove the decrease, $\$ 8.6$ billion or 1.1 percent to $\$ 759.8$ billion.

## Inventories

Inventories of manufactured durable goods in December, up five of the last six months, increased less than $\$ 0.1$ billion or virtually unchanged to $\$ 384.4$ billion. This followed a 0.2 percent November increase.

Machinery, up four of the last five months, drove the increase, $\$ 0.4$ billion or 0.5 percent to $\$ 66.4$ billion.

## Capital Goods

Nondefense new orders for capital goods in December increased $\$ 2.4$ billion or 3.8 percent to $\$ 66.6$ billion. Shipments increased $\$ 1.2$ billion or 1.8 percent to $\$ 71.7$ billion. Unfilled orders decreased $\$ 5.1$ billion or 0.7 percent to $\$ 691.8$ billion. Inventories increased $\$ 0.6$ billion or 0.3 percent to $\$ 171.1$ billion.

Defense new orders for capital goods in December decreased $\$ 4.8$ billion or 33.4 percent to $\$ 9.5$ billion. Shipments decreased $\$ 0.1$ billion or 1.2 percent to $\$ 10.9$ billion. Unfilled orders decreased $\$ 1.3$ billion or 0.9 percent to $\$ 140.9$ billion. Inventories decreased $\$ 0.2$ billion or 0.7 percent to $\$ 20.7$ billion.

## Revised November Data

Revised seasonally adjusted November figures for all manufacturing industries were: new orders, $\$ 457.5$ billion (revised from $\$ 458.3$ billion); shipments, $\$ 464.3$ billion (revised from $\$ 463.8$ billion); unfilled orders, $\$ 1,126.5$ billion (revised from $\$ 1,127.8$ billion) and total inventories, $\$ 623.3$ billion (revised from $\$ 623.1$ billion).

[^0]Table 1. Durable Goods Manufacturers' Shipments and New Orders ${ }^{1}$
[Estimates are shown in millions of dollars and are based on data from the Manufacturers' Shipments, Inventories, and Orders Survey.]

| Item | Seasonally Adjusted |  |  |  |  |  | Not Seasonally Adjusted |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Monthly |  |  | Percent Change |  |  | Monthly |  |  | Year to Date |  |  |
|  | $\begin{gathered} \text { Dec } \\ 2016^{2} \end{gathered}$ | $\begin{gathered} \text { Nov } \\ 2016^{r} \end{gathered}$ | $\begin{gathered} \text { Oct } \\ 2016 \end{gathered}$ | $\begin{aligned} & \text { Nov - } \\ & \text { Dec }^{2} \end{aligned}$ | Oct - <br> Nov ${ }^{\text {' }}$ | Sep Oct | $\begin{gathered} \text { Dec } \\ 2016^{2} \end{gathered}$ | $\begin{gathered} \text { Nov } \\ 2016{ }^{\text {r }} \end{gathered}$ | $\begin{gathered} \text { Dec } \\ 2015 \end{gathered}$ | 2016 | 2015 | Percent Change $2016 / 2015$ |
| DURABLE GOODS |  |  |  |  |  |  |  |  |  |  |  |  |
| Total: |  |  |  |  |  |  |  |  |  |  |  |  |
| Shipments........................... | 238,049 | 234,749 | 233,989 | 1.4 | 0.3 | -0.2 | 235,924 | 227,313 | 230,858 | 2,806,101 | 2,820,620 | -0.5 |
|  | 227,018 | 227,987 | 239,530 | -0.4 | -4.8 | 5.0 | 236,035 | 222,613 | 237,841 | 2,745,970 | 2,754,511 | -0.3 |
| Excluding transportation: |  |  |  |  |  |  |  |  |  |  |  |  |
| Shipments............................. | 155,758 | 154,498 | 153,417 | 0.8 | 0.7 | 0.6 | 154,000 | 148,516 | 151,813 | 1,833,408 | 1,850,934 | -0.9 |
|  | 153,363 | 152,639 | 151,198 | 0.5 | 1.0 | 1.1 | 150,178 | 144,175 | 146,983 | 1,800,228 | 1,806,060 | -0.3 |
| Excluding defense: |  |  |  |  |  |  |  |  |  |  |  |  |
| Shipments............................. | 224,996 | 221,636 | 221,422 | 1.5 | 0.1 | -0.2 | 221,081 | 213,712 | 216,366 | 2,655,773 | 2,672,737 | -0.6 |
| New Orders ${ }^{4} . . . . . . . . . . . . . . . . . . . . . . . . . . ~$ | 215,305 | 211,698 | 227,044 | 1.7 | -6.8 | 5.2 | 219,205 | 206,911 | 221,721 | 2,592,570 | 2,616,539 | -0.9 |
| Manufacturing with unfilled orders: |  |  |  |  |  |  |  |  |  |  |  |  |
| Shipments............................. | 168,982 | 166,788 | 166,255 | 1.3 | 0.3 | -0.5 | 170,388 | 161,316 | 165,054 | 1,990,467 | 1,997,276 | -0.3 |
| New Orders........................... | 161,831 | 163,880 | 175,390 | -1.3 | -6.6 | 6.7 | 174,093 | 160,952 | 174,754 | 1,970,694 | 1,969,407 | 0.1 |
| Primary metals: |  |  |  |  |  |  |  |  |  |  |  |  |
| Shipments........................... | 18,448 | 18,204 | 17,752 | 1.3 | 2.5 | 0.0 | 16,738 | 17,234 | 16,320 | 214,343 | 230,646 | -7.1 |
| New Orders........................... | 18,547 | 18,719 | 18,191 | -0.9 | 2.9 | 1.3 | 17,201 | 18,159 | 16,666 | 216,825 | 228,144 | -5.0 |
| Fabricated metal products: |  |  |  |  |  |  |  |  |  |  |  |  |
| Shipments............................. | 30,785 | 30,827 | 30,445 | -0.1 | 1.3 | 1.2 | 28,556 | 29,707 | 27,549 | 361,935 | 355,334 | 1.9 |
| New Orders........................... | 30,952 | 31,191 | 30,997 | -0.8 | 0.6 | 3.1 | 28,011 | 29,134 | 27,140 | 363,045 | 352,667 | 2.9 |
| Machinery: |  |  |  |  |  |  |  |  |  |  |  |  |
| Shipments............................. | 30,727 | 30,255 | 29,959 | 1.6 | 1.0 | -0.4 | 31,729 | 28,151 | 32,380 | 364,212 | 386,253 | -5.7 |
| New Orders........................... | 30,686 | 30,561 | 29,972 | 0.4 | 2.0 | 0.3 | 30,633 | 28,404 | 29,528 | 360,078 | 377,492 | -4.6 |
| Computers and electronic products ${ }^{4}$ : |  |  |  |  |  |  |  |  |  |  |  |  |
| Shipments. | 27,920 | 27,775 | 27,516 | 0.5 | 0.9 | 0.9 | 31,166 | 27,454 | 29,594 | 325,048 | 312,851 | 3.9 |
| New Orders........................... | 24,905 | 24,328 | 24,116 | 2.4 | 0.9 | 0.2 | 28,790 | 22,333 | 28,226 | 290,151 | 282,433 | 2.7 |
| Computers and related products: |  |  |  |  |  |  |  |  |  |  |  |  |
| Shipments. | 1,688 | 1,767 | 1,811 | -4.5 | -2.4 | 9.5 | 2,486 | 1,508 | 2,740 | 21,632 | 25,423 | -14.9 |
| New Orders........................... | 1,673 | 1,780 | 1,813 | -6.0 | -1.8 | 8.1 | 2,471 | 1,521 | 2,713 | 21,606 | 25,590 | -15.6 |
| Communications equipment: |  |  |  |  |  |  |  |  |  |  |  |  |
| Shipments........................... | 3,578 | 3,490 | 3,348 | 2.5 | 4.2 | -5.2 | 4,438 | 3,223 | 4,236 | 41,282 | 41,043 | 0.6 |
| New Orders........................... | 3,951 | 3,768 | 3,489 | 4.9 | 8.0 | -1.4 | 4,812 | 3,076 | 4,386 | 43,901 | 44,802 | -2.0 |
| Electrical equipment, appliances, and components: |  |  |  |  |  |  |  |  |  |  |  |  |
| Shipments............................ | 9,673 | 9,514 | 9,632 | 1.7 | -1.2 | 0.7 | 9,677 | 9,378 | 9,757 | 114,600 | 121,697 | -5.8 |
| New Orders.......................... | 10,010 | 9,950 | 9,776 | 0.6 | 1.8 | 1.6 | 10,037 | 9,569 | 9,833 | 116,415 | 121,248 | -4.0 |
| Transportation equipment: |  |  |  |  |  |  |  |  |  |  |  |  |
| Shipments............................. | 82,291 | 80,251 | 80,572 | 2.5 | -0.4 | -1.6 | 81,924 | 78,797 | 79,045 | 972,693 | 969,686 | 0.3 |
| New Orders.......................... | 73,655 | 75,348 | 88,332 | -2.2 | -14.7 | 12.3 | 85,857 | 78,438 | 90,858 | 945,742 | 948,451 | -0.3 |
| Motor vehicles and parts: |  |  |  |  |  |  |  |  |  |  |  |  |
| Shipments | 56,825 | 55,535 | 55,277 | 2.3 | 0.5 | -0.8 | 51,763 | 54,136 | 50,493 | 664,883 | 646,521 | 2.8 |
| New Orders.......................... | 56,757 | 55,637 | 54,945 | 2.0 | 1.3 | -1.1 | 52,298 | 54,858 | 50,725 | 663,269 | 646,085 | 2.7 |
| Nondefense aircraft and parts: |  |  |  |  |  |  |  |  |  |  |  |  |
| Shipments............................. | 13,048 | 12,274 | 13,479 | 6.3 | -8.9 | -4.5 | 16,558 | 12,069 | 14,261 | 161,995 | 168,041 | -3.6 |
| New Orders.......................... | 6,122 | 4,298 | 21,903 | 42.4 | -80.4 | 94.5 | 18,788 | 8,535 | 25,485 | 135,854 | 162,778 | -16.5 |
| Defense aircraft and parts: |  |  |  |  |  |  |  |  |  |  |  |  |
| Shipments............................ | 4,199 | 4,175 | 3,931 | 0.6 | 6.2 | -4.9 | 5,138 | 4,334 | 5,899 | 50,757 | 59,037 | -14.0 |
| New Orders........................... | 2,745 | 7,612 | 3,823 | -63.9 | 99.1 | 37.7 | 5,308 | 7,732 | 5,631 | 54,666 | 57,649 | -5.2 |
| All other durable goods: |  |  |  |  |  |  |  |  |  |  |  |  |
| Shipments............................ | 38,205 | 37,923 | 38,113 | 0.7 | -0.5 | 0.9 | 36,134 | 36,592 | 36,213 | 453,270 | 444,153 | 2.1 |
| New Orders........................... | 38,263 | 37,890 | 38,146 | 1.0 | -0.7 | 0.6 | 35,506 | 36,576 | 35,590 | 453,714 | 444,076 | 2.2 |
| Capital goods ${ }^{3}$ : |  |  |  |  |  |  |  |  |  |  |  |  |
| Shipments............................ | 82,582 | 81,474 | 81,832 | 1.4 | -0.4 | -0.6 | 91,676 | 78,906 | 90,452 | 984,049 | 1,024,839 | -4.0 |
| New Orders........................... | 76,099 | 78,432 | 91,266 | -3.0 | -14.1 | 12.5 | 95,238 | 76,788 | 91,989 | 968,463 | 993,105 | -2.5 |
| Nondefense capital goods: |  |  |  |  |  |  |  |  |  |  |  |  |
| Shipments............................ | 71,712 | 70,467 | 71,162 | 1.8 | -1.0 | -1.1 | 79,646 | 67,425 | 79,187 | 860,112 | 906,887 | -5.2 |
| New Orders........................... | 66,577 | 64,132 | 80,210 | 3.8 | -20.0 | 14.8 | 81,663 | 63,510 | 79,001 | 840,571 | 884,710 | -5.0 |
| Excluding aircraft: |  |  |  |  |  |  |  |  |  |  |  |  |
| Shipments. | 63,365 | 62,759 | 62,394 | 1.0 | 0.6 | -0.3 | 68,081 | 59,845 | 70,005 | 755,747 | 793,564 | -4.8 |
| New Orders....................... | 64,493 | 63,972 | 63,044 | 0.8 | 1.5 | 0.5 | 67,492 | 59,712 | 66,704 | 759,101 | 785,471 | -3.4 |
| Defense capital goods: |  |  |  |  |  |  |  |  |  |  |  |  |
| Shipments............................ | 10,870 | 11,007 | 10,670 | -1.2 | 3.2 | 3.2 | 12,030 | 11,481 | 11,265 | 123,937 | 117,952 | 5.1 |
| New Orders........................... | 9,522 | 14,300 | 11,056 | -33.4 | 29.3 | -1.8 | 13,575 | 13,278 | 12,988 | 127,892 | 108,395 | 18.0 |

[^1]${ }^{1}$ Estimates of shipments and new orders are for the duration of the period, while estimates of unfilled orders and total inventories are for the end of the period. Not seasonally adjusted estimates of shipments and new orders include adjusted data for non-calendar reporters. Seasonally adjusted estimates include concurrent adjustments for holiday and trading-day differences, where appropriate, as well as seasonal variation, based on the results of the latest annual review of the model parameters. Estimates are not adjusted for price changes.
${ }^{2}$ 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 nonreporting. Since the survey panel is not a probability sample, estimates of sampling error cannot be calculated. For further details on survey design, methodology, and data limitations, see http://www.census.gov/manufacturing/m3
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; 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 Defense Capital Goods include.

Estimates and percent changes for new orders and unfilled orders exclude semiconductor industry data.

Table 2. Durable Goods Manufacturers' Unfilled Orders and Total Inventories ${ }^{1}$
[Estimates are shown in millions of dollars and are based on data from the Manufacturers' Shipments, Inventories, and Orders Survey.]

| Item | Seasonally Adjusted |  |  |  |  |  | Not Seasonally Adjusted |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Monthly |  |  | Percent Change |  |  | Monthly |  |  | $\begin{gathered} \hline \text { Percent } \\ \text { Change } \\ 2016 / \\ 2015 \end{gathered}$ |
|  | $\begin{gathered} \text { Dec } \\ 2016^{2} \end{gathered}$ | $\begin{gathered} \text { Nov } \\ 2016^{r} \end{gathered}$ | $\begin{gathered} \text { Oct } \\ 2016 \end{gathered}$ | $\begin{aligned} & \text { Nov } \\ & \text { Dec }^{2} \end{aligned}$ | Oct - <br> Nov ${ }^{r}$ | Sep Oct | $\begin{gathered} \text { Dec } \\ 2016^{2} \end{gathered}$ | $\begin{gathered} \text { Nov } \\ 2016^{r} \end{gathered}$ | $\begin{gathered} \text { Dec } \\ 2015 \end{gathered}$ |  |
| DURABLE GOODS |  |  |  |  |  |  |  |  |  |  |
| Total: |  |  |  |  |  |  |  |  |  |  |
| Unfilled Orders ${ }^{4}$....................... | 1,119,363 | 1,126,514 | 1,129,422 | -0.6 | -0.3 | 0.8 | 1,119,927 | 1,116,222 | 1,139,700 | -1.7 |
| Total Inventories..................... | 384,351 | 384,349 | 383,424 | 0.0 | 0.2 | -0.1 | 374,061 | 384,569 | 377,498 | -0.9 |
| Excluding transportation: |  |  |  |  |  |  |  |  |  |  |
| Unfilled Orders ${ }^{4} . . . . . . . . . . . . . . .$. | 359,523 | 358,038 | 356,043 | 0.4 | 0.6 | 0.4 | 352,020 | 352,248 | 344,842 | 2.1 |
| Total Inventories. | 260,844 | 260,368 | 259,632 | 0.2 | 0.3 | -0.1 | 254,489 | 260,200 | 256,142 | -0.6 |
| Excluding defense: |  |  |  |  |  |  |  |  |  |  |
| Unfilled Orders ${ }^{4}$. | 943,295 | 949,106 | 955,190 | -0.6 | -0.6 | 1.0 | 943,638 | 941,920 | 966,483 | -2.4 |
| Total Inventories..................... | 359,060 | 358,823 | 357,608 | 0.1 | 0.3 | -0.1 | 349,109 | 359,017 | 352,500 | -1.0 |
| Manufacturing with unfilled orders: |  |  |  |  |  |  |  |  |  |  |
| Unfilled Orders....................... | 1,119,363 | 1,126,514 | 1,129,422 | -0.6 | -0.3 | 0.8 | 1,119,927 | 1,116,222 | 1,139,700 | -1.7 |
| Total Inventories.................... | 311,630 | 312,001 | 311,370 | -0.1 | 0.2 | -0.1 | 303,103 | 312,180 | 307,102 | -1.3 |
| Primary metals: |  |  |  |  |  |  |  |  |  |  |
| Unfilled Orders...................... | 33,748 | 33,649 | 33,134 | 0.3 | 1.6 | 1.3 | 33,095 | 32,632 | 30,613 | 8.1 |
| Total Inventories.................... | 31,595 | 31,633 | 31,558 | -0.1 | 0.2 | -0.2 | 31,486 | 31,534 | 33,208 | -5.2 |
| Fabricated metal products: |  |  |  |  |  |  |  |  |  |  |
| Unfilled Orders....................... | 75,215 | 75,048 | 74,684 | 0.2 | 0.5 | 0.7 | 72,557 | 73,102 | 71,447 | 1.6 |
| Total Inventories..................... | 48,727 | 48,764 | 48,886 | -0.1 | -0.2 | -0.1 | 47,987 | 48,294 | 48,341 | -0.7 |
| Machinery: |  |  |  |  |  |  |  |  |  |  |
| Unfilled Orders....................... | 92,650 | 92,691 | 92,385 | 0.0 | 0.3 | 0.0 | 90,822 | 91,918 | 94,956 | -4.4 |
| Total Inventories...................... | 66,421 | 66,062 | 65,390 | 0.5 | 1.0 | -0.6 | 64,008 | 66,545 | 64,750 | -1.1 |
| Computers and electronic products ${ }^{4}$ : |  |  |  |  |  |  |  |  |  |  |
| Unfilled Orders....................... | 130,760 | 129,895 | 129,488 | 0.7 | 0.3 | 0.2 | 129,652 | 128,434 | 124,191 | 4.4 |
| Total Inventories..................... | 42,516 | 42,567 | 42,508 | -0.1 | 0.1 | 0.1 | 41,053 | 42,759 | 41,151 | -0.2 |
| Computers and related products: |  |  |  |  |  |  |  |  |  |  |
| Unfilled Orders. | 2,421 | 2,436 | 2,423 | -0.6 | 0.5 | 0.1 | 2,421 | 2,436 | 2,447 | -1.1 |
| Total Inventories..................... | 3,883 | 3,649 | 3,553 | 6.4 | 2.7 | -2.6 | 3,576 | 3,716 | 3,255 | 9.9 |
| Communications equipment: |  |  |  |  |  |  |  |  |  |  |
| Unfilled Orders...................... | 35,842 | 35,469 | 35,191 | 1.1 | 0.8 | 0.4 | 35,381 | 35,007 | 32,762 | 8.0 |
| Total Inventories..................... | 4,291 | 4,459 | 4,479 | -3.8 | -0.4 | 0.1 | 4,154 | 4,597 | 4,579 | -9.3 |
| Electrical equipment, appliances, and components: |  |  |  |  |  |  |  |  |  |  |
| Unfilled Orders....................... | 18,640 | 18,303 | 17,867 | 1.8 | 2.4 | 0.8 | 18,118 | 17,758 | 16,303 | 11.1 |
| Total Inventories..................... | 16,240 | 16,223 | 16,241 | 0.1 | -0.1 | -0.7 | 15,584 | 16,128 | 15,805 | -1.4 |
| Transportation equipment: |  |  |  |  |  |  |  |  |  |  |
| Unfilled Orders...................... | 759,840 | 768,476 | 773,379 | -1.1 | -0.6 | 1.0 | 767,907 | 763,974 | 794,858 | -3.4 |
| Total Inventories..................... | 123,507 | 123,981 | 123,792 | -0.4 | 0.2 | 0.1 | 119,572 | 124,369 | 121,356 | -1.5 |
| Motor vehicles and parts: |  |  |  |  |  |  |  |  |  |  |
| Unfilled Orders....................... | 21,505 | 21,573 | 21,471 | -0.3 | 0.5 | -1.5 | 21,945 | 21,410 | 23,559 | -6.9 |
| Total Inventories..................... | 34,707 | 34,853 | 34,516 | -0.4 | 1.0 | -0.1 | 33,299 | 35,053 | 33,680 | -1.1 |
| Nondefense Aircraft and parts: |  |  |  |  |  |  |  |  |  |  |
| Unfilled Orders...................... | 577,388 | 584,314 | 592,290 | -1.2 | -1.3 | 1.4 | 584,495 | 582,265 | 610,636 | -4.3 |
| Total Inventories..................... | 62,628 | 62,805 | 62,622 | -0.3 | 0.3 | -0.2 | 60,545 | 62,748 | 61,877 | -2.2 |
| Defense Aircraft and parts: |  |  |  |  |  |  |  |  |  |  |
| Unfilled Orders....................... | 72,044 | 73,498 | 70,061 | -2.0 | 4.9 | -0.2 | 72,527 | 72,357 | 68,618 | 5.7 |
| Total Inventories..................... | 11,021 | 11,140 | 11,220 | -1.1 | -0.7 | 1.2 | 10,841 | 11,145 | 11,084 | -2.2 |
| All other durable goods: |  |  |  |  |  |  |  |  |  |  |
| Unfilled Orders....................... | 8,510 | 8,452 | 8,485 | 0.7 | -0.4 | 0.4 | 7,776 | 8,404 | 7,332 | 6.1 |
| Total Inventories..................... | 55,345 | 55,119 | 55,049 | 0.4 | 0.1 | 0.4 | 54,371 | 54,940 | 52,887 | 2.8 |
| Capital goods ${ }^{3}$ : |  |  |  |  |  |  |  |  |  |  |
| Unfilled Orders...................... | 832,690 | 839,173 | 842,215 | -0.8 | -0.4 | 1.1 | 835,290 | 831,728 | 850,876 | -1.8 |
| Total Inventories..................... | 191,832 | 191,409 | 190,727 | 0.2 | 0.4 | -0.1 | 185,572 | 192,592 | 186,922 | -0.7 |
| Nondefense capital goods: |  |  |  |  |  |  |  |  |  |  |
| Unfilled Orders...................... | 691,833 | 696,968 | 703,303 | -0.7 | -0.9 | 1.3 | 694,931 | 692,914 | 714,472 | -2.7 |
| Total Inventories..................... | 171,114 | 170,540 | 169,604 | 0.3 | 0.6 | -0.3 | 165,013 | 171,702 | 166,676 | -1.0 |
| Excluding aircraft: |  |  |  |  |  |  |  |  |  |  |
| Unfilled Orders.................. | 225,498 | 224,370 | 223,157 | 0.5 | 0.5 | 0.3 | 221,040 | 221,629 | 217,686 | 1.5 |
| Total Inventories.................. | 119,539 | 118,893 | 118,212 | 0.5 | 0.6 | -0.3 | 115,494 | 120,237 | 115,938 | -0.4 |
| Defense capital goods: |  |  |  |  |  |  |  |  |  |  |
| Unfilled Orders...................... | 140,857 | 142,205 | 138,912 | -0.9 | 2.4 | 0.3 | 140,359 | 138,814 | 136,404 | 2.9 |
| Total Inventories..................... | 20,718 | 20,869 | 21,123 | -0.7 | -1.2 | 1.6 | 20,559 | 20,890 | 20,246 | 1.5 |

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, which is a voluntary survey authorized by Title 13 of the United States Code. This survey provides statistics on a calendar-month basis for 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-inprocess, and finished goods). Data published from the M3 survey are based on a panel of approximately 4,800 reporting units that represent approximately 3,000 companies and provide an indication of month-tomonth change for the Manufacturing Sector. These reporting units may be divisions of diversified large companies, large homogenous companies, or single-unit manufacturers in 92 industry categories, which are combined into 65 publication levels due to the small monthly panel size. The survey methodology assumes that the month-to-month changes of the total operations of the reporting units in the M3 panel effectively represent the month-to-month movements of all establishments that make up the category.

The companies for which shipments data are currently reported or imputed in the M3 survey represent approximately 61 percent of the total value of shipments for manufacturing establishments in the 2012 Economic Census, and these companies include almost two-thirds of the manufacturing companies with $\$ 500$ million or more in shipments in the 2012 Economic Census. The companies for which shipments data are currently reported in the M3 survey represent approximately 54 percent of the total value of shipments for manufacturing establishments in the 2012 Economic Census. Statistics based on the M3 panel differ from the results that would be obtained from a complete enumeration of all manufacturing companies. The M3 panel is not based on 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.

## Benchmark notice

Revised historical data from the Manufacturers’ Shipments, Inventories, and Orders (M3) Survey will be issued on May 18, 2017. These revisions result from:

- benchmarking the M3 shipments and inventories data to the 2015 Annual Survey of Manufactures (ASM) and revised 2014 ASM data on a 2012 NAICS basis;
- incorporating the unfilled orders to shipments ratios obtained from the 2015/2014 Manufacturers' Unfilled Orders (M3UFO) Survey by applying these ratios to the respective ASM shipments data, as well as incorporating revised unfilled orders to shipments ratios for prior years by applying them to the respective ASM data;
- adjusting the new orders data to be consistent with the benchmarked shipments and unfilled orders data;
- correcting monthly data for late receipts, reclassifications of reported data, and revisions to previously reported data;
- updating the seasonally adjusted data based on the results of benchmarking and the recent annual review of the seasonal adjustment models.

These revisions will span the seasonally adjusted data for January 2002 through March 2017 and the data not seasonally adjusted for January 2007 through March 2017. An updated Press Release will contain revised monthly tables for January 2017 through March 2017. Please call M3 staff on (301) 763-4832 with any questions.


[^0]:    Figures in text are adjusted for seasonality, but not for inflation. 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](http://www.census.gov/m3). Revised and more detailed estimates, plus nondurable goods data, will be published on February 3, 2017, at 10:00 a.m. EST. The Advance Report on durable goods for January is scheduled for release on February 27, 2017 at 8:30 a.m. EST. See back page for survey description. To receive the latest updates on the Nation's key economic indicators, download the America's Economy app for Apple and Android smartphones and tablets.
    "Virtually unchanged" indicates that the change is less than 0.05 percent for a percent increase or decrease.
    With the release of the January 2017 Advance Report on Durable Goods Manufacturers' Shipments, Inventories and Orders on February 27, 2017, the presentation of the release will change. The text portion of the release will be removed from Excel and reformatted. The layout and format of the tables are not currently changing, though some explanatory notes may move to the text portion of the document. The full text and tables will be available as a PDF, with the tables available separately in Excel.

[^1]:    Revised data due to late receipts and concurrent seasonal adjustment

