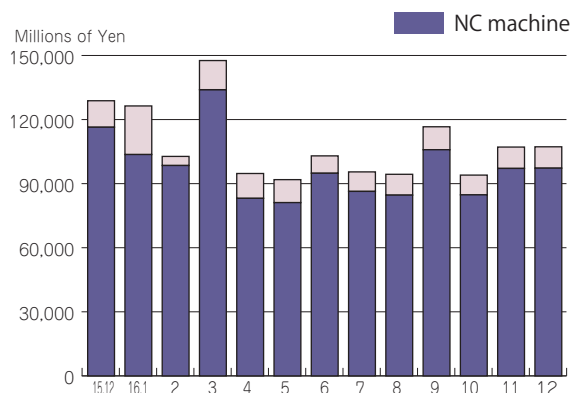


[December, 2016]

Japan's Machinery and Equipment Production

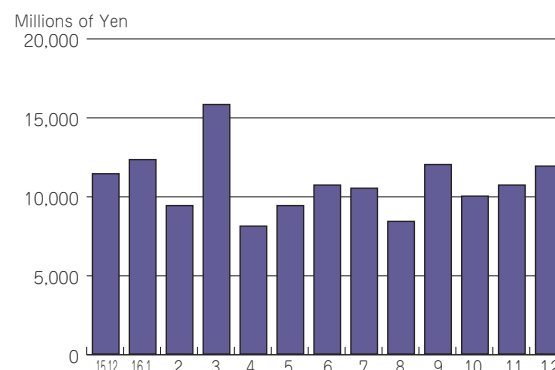
Machine tool

The total value of metal cutting tool production in December rose by 0.1% from the last month to 85.8 billion yen. This was a decrease of 16.7% compared to the last month of the previous year. The production volume was 5322. The value of NC machine tool was 77.8 billion yen and production volume was 4574.



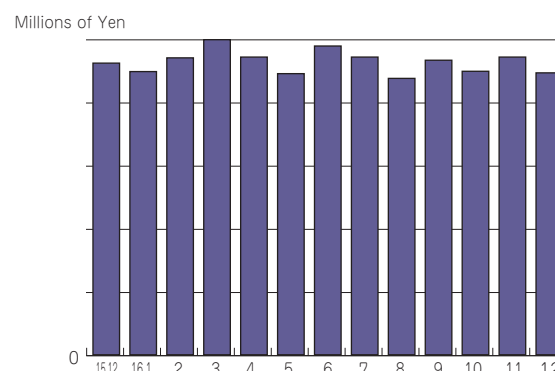
Forming machine

The total value of metal forming machine production rose by 11.0% from the last month to 11.9 billion yen. This figure also represented an increase of 4.6% from the last month of the previous year. The production volume was 409. The value of NC machine was 2.3 billion yen and production volume was 119.



Cutting tool

The total value of cutting tool production was decrease of 5.4% from the last month to 35.7 billion yen. This was also a decrease of 3.3% compared to the last month of the previous year. Looking at major types, the value of cemented carbide tool was 21.3 billion yen, high speed cutting tool was 6.9 billion yen, diamond tool was 5.4 billion yen and C(W)BN tool was 1.9 billion yen.



Industrial robot

The total value of industrial robot rose by 0.5% from the last month to 45 billion yen. This figure also represented an increase of 19.3% compared to the last month to the previous year. The production volume was 13510. The value of playback robot was a decrease of 11.0% from the last month to 22.3 billion yen. The value of numerically controlled robot was an increase of 19.2% from the last month.

