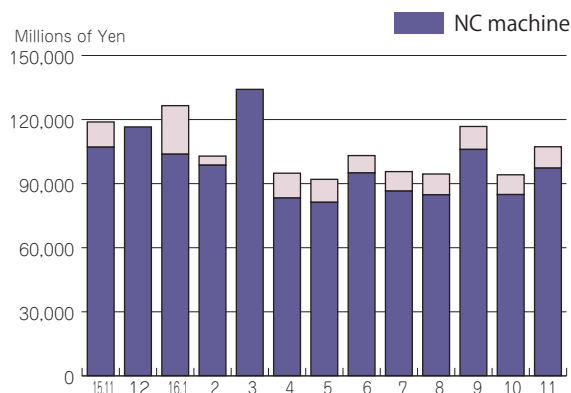


[November, 2016] Japan's Machinery and Equipment Production

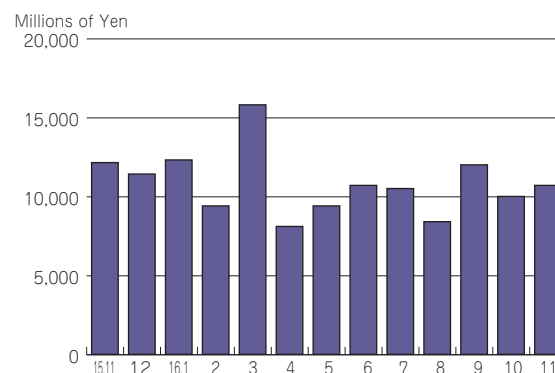
Machine tool

The total value of metal cutting production in November rose by 14.0% from the last month to 85.7 billion yen. This was a decrease of 9.7% compared to the last month of the previous year. The production volume was 5808. The value of NC machine tool was 77.7 billion yen and the production volume was 4618.



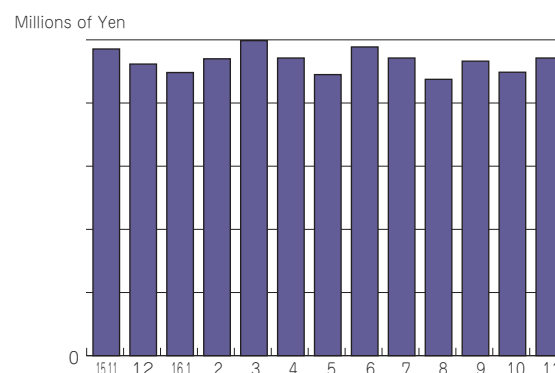
Forming machine

The total value of metal forming machine rose by 7.1% from the last month to 10.7 billion yen. This was a decrease of 11.4% from the last month of the previous year. The production volume was 435. The value of NC machine was 2.6 billion yen and the production volume was 131.



Cutting tool

The total value of cutting tool rose by 5.0% from the last month to 37.7 billion yen. This was a decrease of 2.8% from the last month of the previous year. Looking at major types, the value of cemented carbide tool was 23 billion yen, the value of high speed cutting tool was 7.2 billion yen, the value of diamond tool was 5.3 billion yen and the value of C(W)BN tool was 2 billion yen.



Industrial robot

The total value of industrial robot rose by 5.6% from the last month to 44.7 billion yen. This was an increase of 20.8% compared to the last month of the previous year. The production volume was 13729. The value of playback robot rose by 6.8% from the last month to 25 billion yen. The value of numerically controlled robot also rose by 5.9% from the last month to 14 billion yen.

