

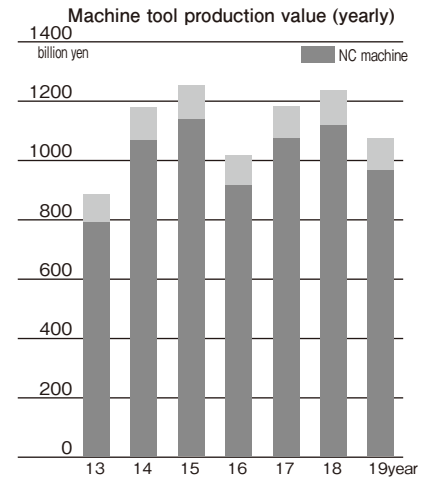
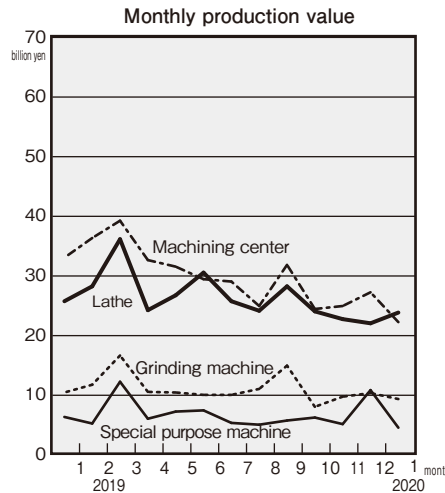
[January, 2020] Japanese FA related products' Production

Unit: million yen

Machine tool

| | Jan., 2020 | monthly growth | yearly growth |
|-------------------------|---------------|---------------------|---------------|
| Machine tool | 72,005 | 85.7 | 80.6 |
| Lathe | 23,981 | 108.5 | 92.7 |
| NC lathe | 21,839 | 111.3 | 98.0 |
| Vertical | 2,316 | 108.5 | 125.2 |
| Horizontal | 19,523 | 111.6 | 95.5 |
| Grinding machine | 9,493 | 91.3 | 90.1 |
| Special purpose machine | 4,636 | 42.3 | 71.7 |
| Machining center | 22,393 | 82.0 | 67.5 |
| NC drilling machine | 253 | 149.7 | 98.4 |
| NC boring machine | 691 | 73.7 | 106.0 |
| NC milling machine | 417 | 85.1 | 103.0 |
| NC EDM | 2,040 | 87.0 | 65.1 |
| Total | 20Jan. 72,005 | yearly growth 80.6% | |

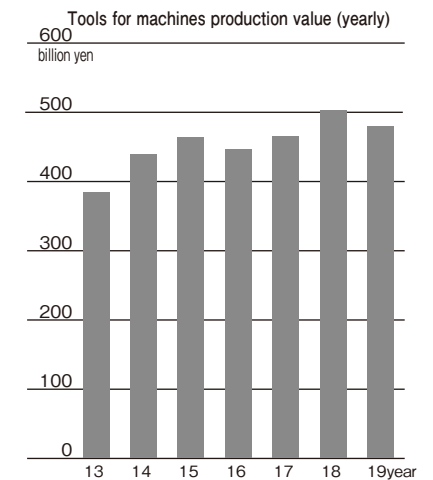
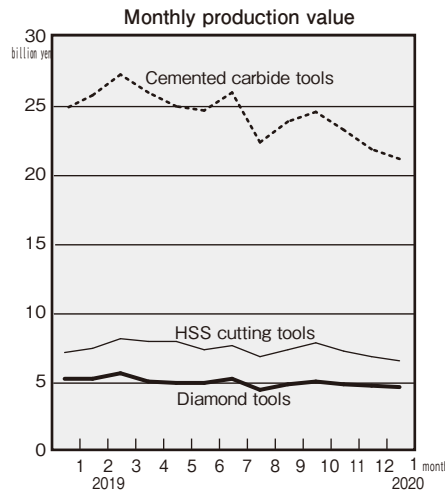
Source : Ministry of Economy, Trade and Industry



Cutting tool

| | Jan., 2020 | monthly growth | yearly growth |
|------------------------|---------------|---------------------|---------------|
| Tools for machines | 34,798 | 96.7 | 86.8 |
| HSS | 6,785 | 96.6 | 92.5 |
| Drills | 1,340 | 93.5 | 85.1 |
| Milling cutters | 538 | 98.7 | 76.5 |
| Gear cutters | 693 | 93.6 | 90.2 |
| Taps and dies | 2,928 | 98.4 | 101.4 |
| Diamond tools | 4,839 | 97.0 | 88.7 |
| Segments tools | 454 | 81.1 | 99.3 |
| CBN tools | 1,852 | 95.2 | 79.0 |
| Cemented carbide tools | 21,322 | 96.7 | 85.5 |
| Carbide chips | 10,466 | 98.1 | 81.1 |
| Milling cutter | 650 | 78.9 | 85.8 |
| Total | 20Jan. 34,798 | yearly growth 86.8% | |

Source : Ministry of Economy, Trade and Industry



Industrial robot

| | Jan., 2020 | monthly growth | yearly growth |
|--|---------------|---------------------|---------------|
| Industrial robot | 37,248 | 81.2 | 91.9 |
| Playback robots | 19,622 | 95.4 | 96.0 |
| Playback (unit.) | 10,207 | 100.2 | 112.4 |
| NC | 12,253 | 62.5 | 88.0 |
| NC(unit.) | 2,071 | 95.7 | 76.2 |
| Parts, accessory for industrial robots | 3,477 | 96.3 | 87.6 |
| Total | 20Jan. 37,248 | yearly growth 91.9% | |

*Due to the decrease in the number of sites surveyed, data on sequence robots and intelligent robots have been closed to the public since January 2019.

Source : Ministry of Economy, Trade and Industry

