

Vertical Ring Rolling Machine - D51X Oblique Type

The vertical ring rolling machine, also known as a broaching machine, is available in the D51X oblique type. It is widely used in processing bearings, flanges, and seamless ring parts from various metal materials.



Product Overview



Vertical configuration utilizing advanced oblique rolling technology to optimize ring geometry.

Precision Vertical Ring Rolling

The D51X oblique type vertical ring rolling machine is a specialized industrial solution designed for the efficient production of seamless ring parts. By utilizing an advanced oblique rolling process, it delivers high dimensional accuracy and consistent quality across various metal materials including steel alloys, copper, and aluminum. This versatile machine is highly favored by small and medium-sized enterprises for its ability to integrate seamlessly into existing forging workflows, effectively replacing traditional mandrel support methods to improve overall production efficiency.

Technical Capabilities



High-accuracy hydraulic ring rolling station for diverse industrial applications.

Compatible Materials

- High temperature alloy steel
- Bearing steel
- Plain carbon steel
- Copper
- Aluminum alloy

Industry Applications

Bearing Manufacturing • Automotive • Aerospace • Flange Production • Heavy Machinery

Suitable Processes

Upsetting, Punching, Reaming, Radial-Axial Rolling

Machine Specifications



Robust hydraulic system with intuitive control panel for precise parameter adjustments.

Capacity Matrix

D51 Model	160	250	350	400	500	630	800	1000
Outer Diameter (mm)	200	250	350	400	500	630	800	1000