

CNC Vertical Honing Machine

CNC vertical honing machines are designed for high-precision honing of cylinder bores and other components. They feature CNC control systems and servo-driven hydraulic valves for reciprocating motion.



ADDITIONAL IMAGES



Overview

High-Precision CNC Vertical Honing Solutions

These CNC vertical honing machines are engineered for the precision processing of cylinder bores, brake hubs, and cylinder liners. Featuring advanced multi-axis control systems and modular designs, they deliver high-speed, high-acceleration performance suitable for both standalone operations and integration into automated production lines. Designed to meet stringent quality standards, these machines provide reliable solutions for automotive and industrial manufacturing needs.

Key Features

Technical Highlights

- 5-axis CNC control system
- Max spindle reciprocation acceleration of 2.5g
- Automatic measurement system for flat-top mesh honing
- Servo-driven hydraulic valves for precise motion
- Dual-spindle configuration options for increased efficiency

Capabilities

Cylinder Honing, Brake Hub Processing, Through/Blind Hole Machining, Automated Line Integration, Modular Design

Technical Specifications

Performance Metrics

2.5 g

Max Reciprocation Acceleration

5 count

Controlled Axes

500 mm

Max Honing Depth (Standard)

Model Specifications

Specification	2MK2218x50	2MK2218x2	2MK2225x70
Honing Diameter (mm)	50-180	50-180	50-250
Max Honing Depth (mm)	500	500	700
Spindle Stroke (mm)	800	800	1200
Spindle Rotary Speed (r/min)	30-300	30-300	10-120

Power & Mechanics

- Spindle Motor Power: 11Kw
- Hydraulic System Motor: 5.5Kw (Main) / 2.2Kw (Aux)
- Reciprocating Motor Power: 11.9Kw
- Spindle Reciprocation Speed: 3-30 m/min