

CNC Centerless Grinding Machine MK10100-3A

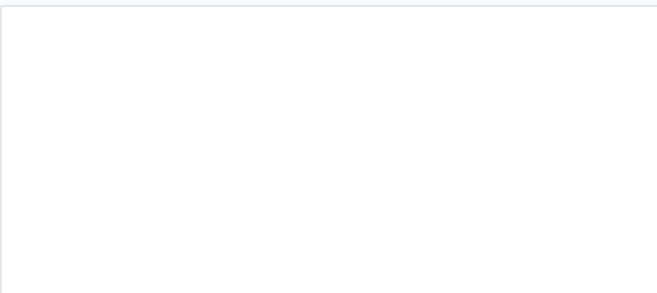
This CNC centerless grinding machine is designed for high-precision grinding operations with low noise levels. It features advanced CNC controls for automated and accurate material processing.



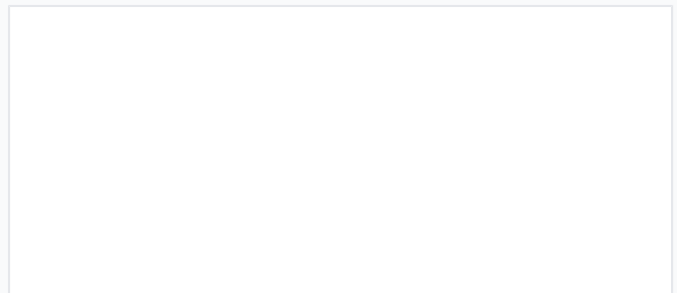
ADDITIONAL IMAGES



Overview



Advanced CNC control interface for automated grinding process management.



Robust machine construction designed for stability and vibration reduction.

High-Precision CNC Centerless Grinding

The MK10100-3A is a professional-grade CNC centerless grinding machine engineered for high-accuracy cylindrical component production. It features a robust, low-vibration design with advanced dynamic pressure oil film bearings, ensuring superior surface finish and tight tolerances. With automated CNC-driven feeding for both the grinding wheel and dresser, this machine offers exceptional consistency and efficiency for demanding industrial applications.

Technical Specifications

Through Grinding Diameter	100 mm
Cut-in Grinding Diameter	100 mm
Minimum Feeding Rate	0.001 mm

Machine Construction



Structural design overview of the grinding and guide wheel assemblies.

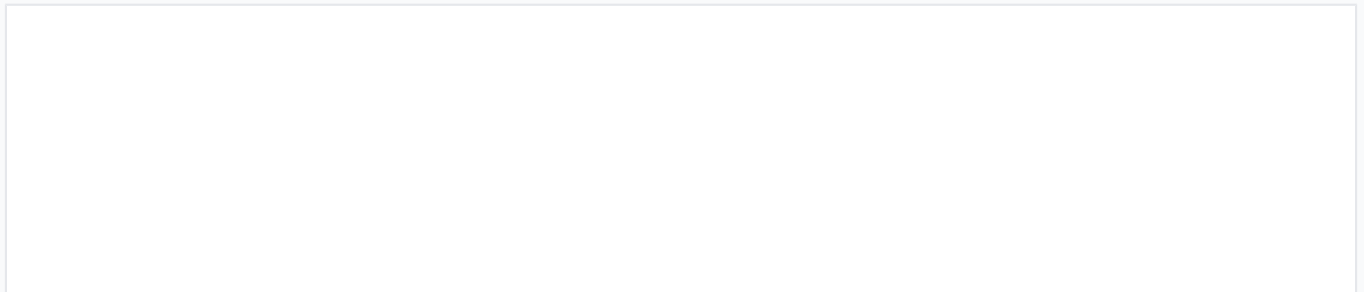
Grinding Wheel Structure	Cantilever structure with multi-chip long bearing dynamic pressure oil film
Guide Wheel Structure	Single-support structure with copper bush dynamic pressure oil film bearing
Lubrication System	Independent oil tank with optional thermostatic apparatus

Key Components

Core Component Standards

Component	Technology Type
CNC System	Advanced Digital Control
Feeding Mechanism	Precision Ball Screw
Guide Rail	Plastic-face Rail
Cooling System	Magnetic & Paper Roll Filter (Optional)

Features



Integrated safety features and operational monitoring systems.

Machine Highlights

Low Noise Operation • Automated Grinding Cycles • High Precision • Servo Motor Driven • Thermal Stability