

CNC Centerless Grinding Machine MK10100-3A

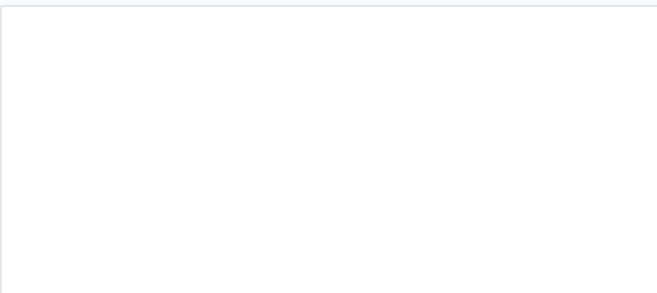
This CNC centerless grinding machine is designed for high-precision grinding operations with low noise levels. It features advanced CNC controls for automated and accurate material processing.



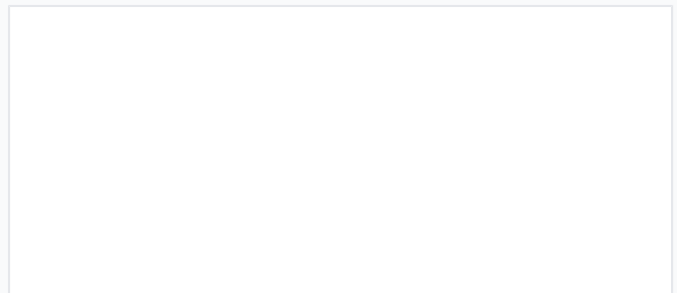
ADDITIONAL IMAGES



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.

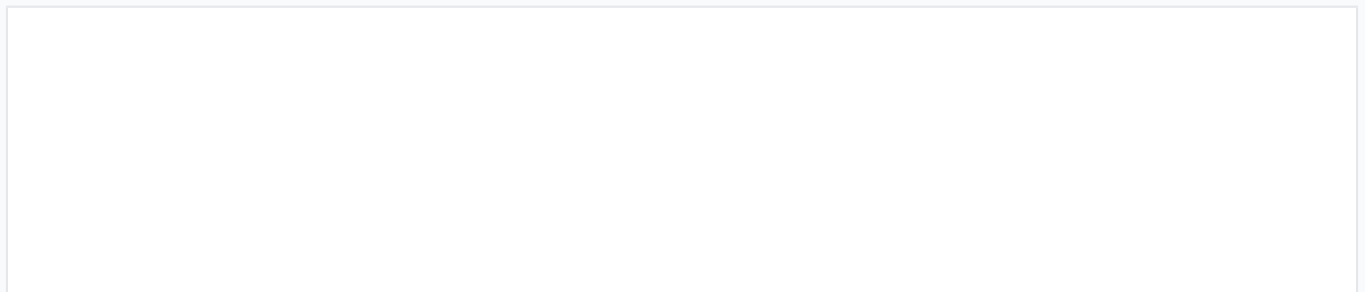
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|--------------------------|---|
| Grinding Wheel Structure | Cantilever structure with multi-chip long bearing dynamic pressure oil film |
| Guide Wheel Structure | Single-support structure with copper bush dynamic pressure oil film bearing |
| Lubrication 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