

Hollow Grinding Machine

Designed specifically for workpieces requiring hollow grinding. This model comes with various forms of hollow grinding, including double hollow grinding with cup grinding wheels, double hollow grinding with segmented grinding wheels, single hollow grinding with cup grinding wheels, and single hollow grinding with segmented grinding wheels. It can be applied to hollow grinding of outdoor knife blades, hunting blades, and inner edges of scissors, among other products.

DOUBLE HOLLOW GRINDING MACHINE (CUP GRINDING WHEELS)



This machine is specifically designed for workpieces that require consistent hollow grinding on both sides. A notable feature is that the starting arc at the blade root can be edited, allowing users to make customized adjustments based on specific processing needs.

Single unit dimensions and weight specifications: Length: 1600mm Width: 2800mm Height: 1600mm
Weight: 3750KG

Technical Specifications

- Maximum grinding length: 380mm
- Spindle drive power: Star-delta asynchronous motor 7.5kw-11kw*2 (optional YE4 level energy-saving motor or permanent magnet synchronous motor)
- Grinding wheel diameter: Below 300mm
- Mechanical transmission methods:
 - X-axis: P3 Heavy-duty roller linear guide / Cold rolled ball screw (optional ground ball screw)
 - Z1-axis: P3 Heavy-duty roller linear guide / Cold rolled ball screw (optional ground ball screw)
 - Z2-axis: P3 Heavy-duty roller linear guide / Cold rolled ball screw (optional ground ball screw)
 - Y-axis: P3 Heavy-duty roller linear guide / Cold rolled ball screw (optional ground ball screw)
- Power system: Bus absolute value motor
- Spindle: A2-5 Precision spindle (optional A2-6 High-strength precision spindle)
- Lubrication system: Centralized central lubrication pump
- CNC system: WEIHONG NK280B system

Four-Axis Grinding Worktable

- X-axis: Effective travel of 500mm (processable length of 380mm)
- Z1-axis: Grinding wheel feed axis (stroke of 160mm)
- Y-axis: Lifting axis (stroke of 110mm)
- Z2-axis: Grinding wheel feed axis (stroke of 160mm)