

VERTICAL 2-AXIS GRINDING MACHINE



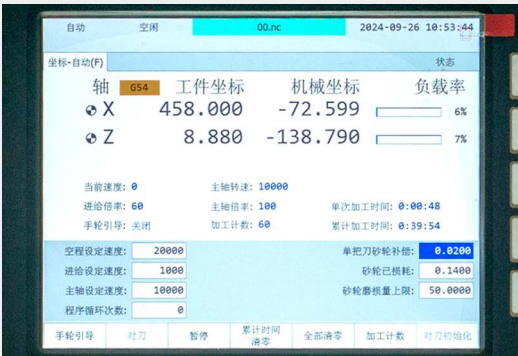
This adjustable spindle vertical grinding machine is designed for simple workpiece surface grinding and special concave grinding applications, such as sports knife flats, folding knife flats, scissors flats, hand tool flats, and concave surfaces of scissors.

To further enhance processing accuracy, our grinder can be equipped with an optional automatic grinding wheel detector. This device can monitor the wear of the grinding wheel and automatically compensate to ensure consistency and precision during the machining process.

Single unit dimensions and weight specifications: Length: 1800mm Width: 1600mm Height: 2400mm
Weight: 3000KG

Technical Specifications

- Standard vertical grinding electromagnetic disk size: 200mm*560mm (can be customized to 200mm*1200mm according to customer needs)
- Spindle drive power: Star-delta asynchronous motor 18.5kw (optional YE4 level energy-saving motor or permanent magnet synchronous motor)
- Grinding wheel diameter: 355mm
- Mechanical transmission methods:
 - X-axis: P3 heavy-duty roller linear guide / Cold rolled ball screw (optional ground ball screw)
 - Z-axis: P3 heavy-duty roller linear guide / Cold rolled ball screw (optional ground ball screw)
- Drive system: Bus absolute value motor
- Lubrication system: Centralized central lubrication pump
- Spindle: Self-developed high-strength spindle (optional A2-6 high-strength precision spindle)
- CNC system: WEIHONG NK280B system



2-Axis Grinding Worktable

- X-axis: Effective travel of 600mm (processable length of 560mm)
- Z-axis: Grinding wheel feed axis (stroke of 160mm)

