

LIGHT LOAD 4-AXIS
ROTARY GRINDING MACHINE



Designed for rotating workpieces requiring light-load grinding - such as mincer blades, food processor blades, etc.

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: 1400mm Weight: 1750KG

Technical Specifications

- Maximum grinding length: 380mm (the maximum grinding length can be customized according to customer needs)
- Standard rotating axis worktable diameter: 160mm
- Spindle drive power: Star-delta asynchronous motor 7.5kw (optional YE4 level energy-saving motor or permanent magnet synchronous motor)
- Grinding wheel diameter: 260mm and below
- Mechanical transmission methods:
 - X-axis: Cylindrical linear guide (optional 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)
 - A-axis: Precision reducer
 - C-axis: Precision reducer
- Drive system: Bus absolute value motor ●Lubrication system: Centralized central lubrication pump
- Spindle: Self-developed high-strength spindle ●CNC system: WEIHONG NK280B system

4-Axis Grinding Worktable

- X-axis: Transverse entry and exit axis of the worktable (processable up to 380mm)
- Z-axis: Inclined rotating axis of the worktable (+35 degrees, -5 degrees)
- A-axis: Grinding wheel feed axis (stroke of 160mm)
- C-axis: Center rotating axis of the worktable (360 degrees)

VERTICAL 3-AXIS
GRINDING MACHINE



This adjustable spindle vertical three-axis grinding machine is specifically designed for surface grinding and cylindrical grinding of workpieces, saving up to 30% space compared to horizontal models. It can be used for processing concave surfaces and beveled surfaces of scissors, etc.

Single unit dimensions and weight specifications: Length: 1700mm Width: 1210mm Height: 2200mm Weight: 2800KG

Technical Specifications

- Standard worktable size: 380mm*150mm (optional electric magnetic chuck and customizable processing length 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)
 - A-axis: Worm gear plus or minus 30 degrees (optional RV reducer)The A-axis can be selected as the Y-axis with customizable travel
- 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

3-Axis Grinding Worktable

- X-axis: Effective travel of 480mm (processable length of 380mm)
- X-axis: Grinding wheel feed axis (stroke of 160mm)
- Y-axis(assorting): Effective stroke 200mm