

STANDARD 4-AXIS
ROTARY GRINDING MACHINE



Designed specifically for workpieces that require curved grinding, such as gardening scissors blades, fence cutting scissors blades, axes, and 360-degree circular blades.



To further improve processing accuracy, our grinding machines can also be equipped with an automatic grinding wheel compensation sensor. This device can monitor the wear condition of the grinding wheel and automatically compensate to ensure consistency and precision during the processing.

Single unit dimensions and weight specifications: Length: 2300mm Width: 1620mm Height: 1660mm Weight:2400KG

Technical Specifications

- Maximum grinding length: 380mm (the maximum grinding length can be customized according to customer needs)
- Standard rotating axis worktable diameter: 180mm (can be customized up to 300mm according to customer needs)
- Spindle drive power: Star-delta asynchronous motor 7.5-18.5kw (optional YE4 level energy-saving motor or permanent magnet synchronous motor)
- Grinding wheel diameter: 260mm-350mm (for using grinding wheels with a diameter above 350mm, the heavy-duty version model is available)
- Mechanical transmission methods:
 - X-axis: Cylindrical linear guide (optional linear guide) / Cold rolled ball screw (optional ground ball screw)
 - Z-axis: Cylindrical linear guide (optional 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: In-house high-strength spindle
- CNC system: WEIHONG NK280B system

OPTIONED FOUR-AXIS LINEAR GUIDE ROTARY
GRINDING MACHINE



Four-Axis Grinding Worktable

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

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 - X-axis: Cylindrical linear guide (optional linear guide) / Cold rolled ball screw (optional ground ball screw)
 - Z-axis: Cylindrical linear guide (optional 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: A2-6 high-strength precision spindle
- CNC system: WEIHONG NK280B system