

4 AXIS LIFTING SINGLE HOLLOW GRINDING MACHINE
(SEGMENTED GRINDING WHEEL)



Single unit dimensions
and weight specifications:
Length: 2350mm
Width: 1620mm
Height: 1730mm

Weight: 2500KG

This grinding machine is specifically designed for workpieces that require hollow grinding with right-angle positioning. It uses cost-effective segmented grinding wheel abrasives and supports multi-process linkage machining, with the capability for curved surface grinding and easy maintenance of consistent concavity.

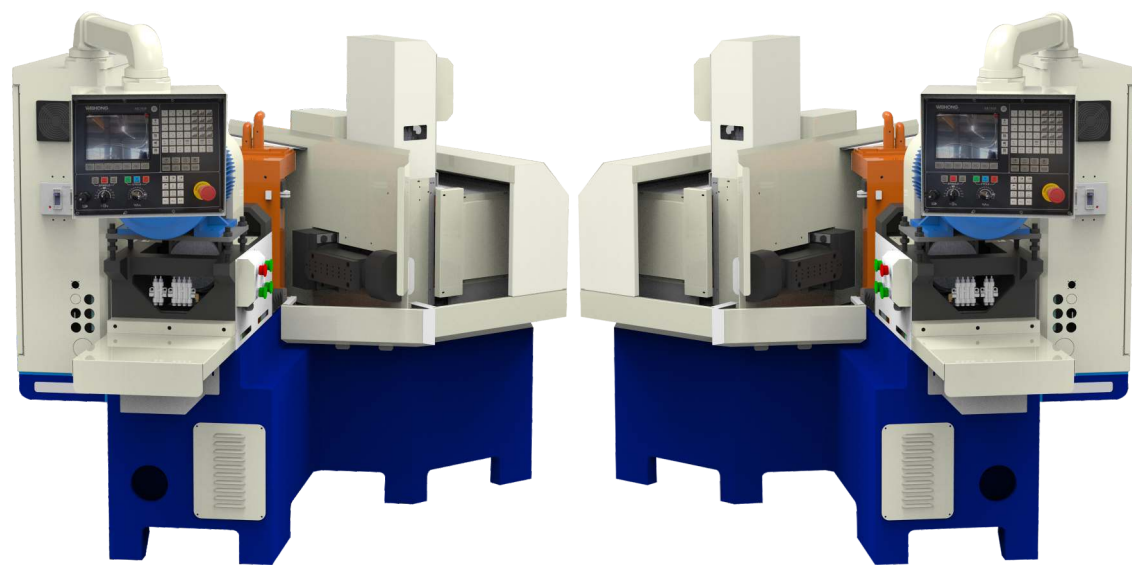
Technical Specifications

- Maximum grinding length: 380mm
- Spindle drive power: Star-delta asynchronous motor 7.5kw-11kw (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 (optional cylindrical linear guide) / C3 or P4 ground ball screw
 - Y-axis: P3 Heavy-duty roller linear guide (optional cylindrical linear guide) / C3 or P4 ground ball screw
 - Z-axis: P3 Heavy-duty roller linear guide (optional cylindrical linear guide) / C3 or P4 ground ball screw
 - A-axis: Worm gear structure (optional RV reducer)
- Drive system: Bus absolute value motor
- Lubrication system: Centralized central lubrication pump
- Spindle: A2-5 precision spindle
- CNC system: WEIHONG NK280B system

Four-Axis Grinding Worktable

- X-axis: Transverse entry and exit axis of the worktable (processable 380mm)
- Y-axis: Lifting axis of the worktable (stroke 200mm)
- Z-axis: Grinding wheel feed axis (stroke 160mm)
- A-axis: Inclined rotating axis of the worktable (±25 degrees)

4 AXIS LIFTING SINGLE HOLLOW GRINDING MACHINE (CUP GRINDING WHEEL)



This machine is designed for workpieces that require consistent hollow grinding, featuring an editable arc at the root of the blade, allowing users to make customized adjustments according to specific processing needs. It supports multi-process linkage machining and has the capability for curved surface grinding.

Single unit dimensions and weight specifications: Length: 2350mm Width: 1620mm Height: 1730mm
Weight: 2600KG

Technical Specifications

- Maximum grinding length: 380mm
- Spindle drive power: Star-delta asynchronous motor 7.5kw-11kw (optional YE4 level energy-saving motor or permanent magnet synchronous motor)
- Grinding wheel diameter: Below 170-260mm
- Mechanical transmission methods:
 - X-axis: P3 Heavy-duty roller linear guide (optional cylindrical linear guide) / C3 or P4 ground ball screw
 - Y-axis: P3 Heavy-duty roller linear guide (optional cylindrical linear guide) / C3 or P4 ground ball screw
 - Z-axis: P3 Heavy-duty roller linear guide (optional cylindrical linear guide) / C3 or P4 ground ball screw
 - A-axis: Worm gear structure (optional RV reducer)
- Drive system: Bus absolute value motor
- Lubrication system: Centralized central lubrication pump
- Spindle: A2-5 precision spindle
- CNC system: WEIHONG NK280B system

Four-Axis Grinding Worktable

- X-axis: Transverse entry and exit axis of the worktable (processable 380mm)
- Y-axis: Lifting axis of the worktable (stroke 200mm)
- Z-axis: Grinding wheel feed axis (stroke 160mm)
- A-axis: Inclined rotating axis of the worktable (±25 degrees)