

WK026 Automatic Saw Blade Grinding Machine

Model WK026 | Saw Blade Resharpener | WUK Machinery, Shenzhen China



Overview

The WK026 is the largest circular saw blade grinder in the range, covering 80 to 800 mm blade diameter, 10 to 200 mm bore and 7 to 100 mm tooth pitch. PLC control handles indexing and feed at up to 20 teeth per minute, and the hydraulic system runs at 4.0 MPa from a 50 litre tank. Front and back grinding angles are adjustable between 5 and 30 degrees.

Who It Is For

Sawmills, panel and furniture plants, metal fabrication workshops, blade sharpening service companies, and maintenance teams responsible for production saw lines.

Key Benefits

- **Blade Range 80 to 800 mm** – One machine covers the blade rack of most sawmills and metal cutting shops, from small trim saws to large panel blades.
- **PLC Controlled Automatic Cycle** – The machine indexes tooth to tooth and grinds to the set angle, so the operator loads the blade rather than driving the machine.
- **Front and Back Angles 5 to 30 Degrees** – Hook and clearance angles are set to the material being cut, which is what recovers the original cutting performance rather than just making the tooth shiny.
- **Tooth Pitch 7 to 100 mm** – Fine tooth metal blades and coarse rip blades both index correctly without mechanical changeover.

Technical Features

- PLC control with automatic tooth indexing
- Hydraulic system at 4.0 MPa with 50 litre tank capacity
- 125 mm outer diameter grinding wheel at 4200 rpm
- Blade thickness capacity 1 to 7 mm
- Bore size range 10 to 200 mm
- Feed speed up to 20 teeth per minute

WK026 Specifications

Figures are taken from the machine data sheet. Items not documented are marked TBC rather than estimated.

Grinding diameter range	80 to 800 mm
Teeth distance (pitch)	7 to 100 mm
Thickness of blade	1 to 7 mm
Hole size	10 to 200 mm
Feed speed	under 20 teeth/min
Outer diameter of grinding wheel	125 mm
Front and back grinding angle range	5 to 30 degrees
Hydraulic working pressure	4.0 MPa
Rated capacity of oil tank	50 L
Speed of grinding wheel	4200 rpm
Packaging size	1700 x 1350 x 1800 mm
Machine weight	900 kg

Applications

- Resharpener circular saw blades for timber and panel processing
- Regrinding metal cutting circular blades in fabrication shops
- Blade service businesses handling mixed customer blades
- In house maintenance of production saw lines
- Restoring tooth geometry after a blade strikes a foreign object

Materials and Construction

Cast frame with hydraulic indexing and feed, PLC control. Grinding wheel specification depends on whether the blade teeth are HSS or carbide tipped and is quoted with the machine.

Quality Control Before Shipping

- Hydraulic pressure verified against the 4.0 MPa rating
- Indexing repeatability checked across a full blade
- Grinding wheel speed measured at 4200 rpm
- Ground tooth angle checked against the setting
- Electrical and PLC safety inspection before crating

Customisation Options

- Wheel specification for HSS or carbide tipped teeth
- Blade support arbors for your bore sizes
- Coolant or mist system options
- Voltage and frequency configured for your supply
- Operator documentation in your working language on request

Certification



Certification is quoted and confirmed in writing on request. Documented certification status for this model is TBC.

Commercial Terms

- Minimum order: 1 set
- Delivery: 15 to 45 working days after deposit
- Trade terms: EXW, FOB, CFR and CIF
- Packing: plywood cases lined with plastic film
- Warranty: 12 months on the machine
- CNC control options where applicable: FANUC, SIEMENS, SYNTEC and GSK

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www.wuktech.com/products/wk026-automatic-saw-blade-grinding-machine.html