

WK2000 Automatic Linear Sharpening Machine

Model WK2000 | Customized Grinding Machine | WUK Machinery, Shenzhen China



Overview

The WK2000 sharpens straight knife cutters at any angle from minus 90 to plus 90 degrees, along a grinding length of 2000 mm. The blade is held on a 180 x 2000 mm magnetic table while the grinding head traverses at 0 to 20 metres per minute. A 200 x 110 x 100 mm wheel turns at 2800 rpm driven by a 4 kW head motor, on a machine weighing 1750 kg.

Who It Is For

Paper and film converters, plastics recyclers and granulator operators, food processing plants, woodworking mills, and blade service companies handling long straight knives.

Key Benefits

- **2000 mm Grinding Length** – A full length guillotine or granulator knife is ground against one reference plane instead of being repositioned halfway.
- **180 x 2000 mm Magnetic Table** – Magnetic clamping holds a thin blade flat without the mechanical clamps that bow it out of shape.
- **Head Adjustment Minus 90 to Plus 90 Degrees** – Single bevel, double bevel and unusual edge angles are all ground by swinging the head.
- **Traverse Variable 0 to 20 m per Minute** – Traverse speed is set to the blade material, so soft steels are not burned and hard ones are not rushed.

Technical Features

- Maximum grinding length 2000 mm
- 180 x 2000 mm magnetic table
- Grinding head adjustment minus 90 to plus 90 degrees
- 200 x 110 x 100 mm wheel at 2800 rpm
- Head traverse variable 0 to 20 m per minute
- 4 kW grinding head motor with head rotation at 1400 rpm

WK2000 Specifications

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

Max grinding length	2000 mm
Adjust angle of grinding head	-90 to +90 degrees
Grinding wheel rotate speed	2800 rpm
Grinding wheel moving speed	0 to 20 m/min, variable
Grinding wheel size (OD x T x ID)	200 x 110 x 100 mm
Magnetic table size	180 x 2000 mm
Grinding head moving speed	1 to 20 m/min
Grinding head rotate speed	1400 rpm
Grinding head motor power	4 kW
Machine overall dimensions (L x W x H)	3750 x 1000 x 1750 mm
Machine weight	1750 kg

Applications

- Sharpening guillotine knives in paper and film converting
- Granulator and shredder blade grinding in plastics recycling
- Long straight knife maintenance in food processing plants
- Woodworking planer and chipper knife sharpening
- Blade service work on long straight cutters of any kind

Materials and Construction

Fabricated and machined bed with a full length magnetic chuck and a traversing grinding head on ground ways. Wheel specification is selected for the blade steel and the edge angle.

Quality Control Before Shipping

- Table flatness measured along the full 2000 mm
- Magnetic holding force checked across the table
- Head angle scale calibrated against a measured setting
- Traverse speed verified through the full stroke
- Ground blade checked for edge straightness and finish
- Electrical and safety inspection before crating

Customisation Options

- Table length and blade capacity modified to your knives
- Wheel specification for your blade steel
- Coolant and dust extraction arrangements
- Voltage and frequency configured for your supply
- Purpose built variants designed from your drawing or sample blade

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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