

MY3060 Hydraulic Surface Grinding Machine

Model MY3060 | Surface Grinding Machine | WUK Machinery, Shenzhen China



Overview

The MY3060 is a hydraulically traversed surface grinder with a 300 x 600 mm table and a 600 kg load rating. Longitudinal stroke is 550 mm and cross travel is 300 mm, which covers the plate and block work most tool rooms see daily. It is rated for Ra 0.32 micron surface roughness, so parts leave the machine finished rather than needing a second operation.

Who It Is For

Mould and die shops, jig and fixture makers, machine rebuilders, and production plants in machinery, steel, energy, automotive, aerospace, weapons and shipbuilding that finish small and medium sized parts in house.

Key Benefits

- **Hydraulic Table Traverse** – The table is moved by oil rather than by hand, which removes the reversal marks a handwheel leaves at each end of the stroke.
- **600 kg Table Capacity** – A full die shoe or a stack of plates can be ground in one setup, so parallelism is referenced once instead of three times.
- **500 mm Wheel to Table Clearance** – Tall fixtures and stacked workholding fit under the wheel without stripping the machine down.
- **Ra 0.32 Micron Rated Finish** – Rated finish is fine enough for sealing faces and sliding surfaces that would otherwise go out for lapping.

Technical Features

- Heavily ribbed cast iron bed and column for vibration damping
- Hydraulic longitudinal table traverse with 550 mm stroke
- 300 mm cross travel with a single 14 mm T slot on the table
- Wheel up to 300 x 30 x 127 mm running at 1450 rpm
- Maximum 500 mm from wheel centre to table for tall fixtures
- Coolant system with settling tank for wet grinding

MY3060 Specifications

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

Table size (X by Y)	300 x 600 mm
Horizontal travel of worktable	300 mm
Longitudinal stroke of worktable	550 mm
Max centre of wheel to table	500 mm
Maximum load	600 kg
T slot of worktable	14 mm x 1
Grinding wheel size (max)	300 x 30 x 127 mm
Grinding wheel speed	1450 rpm
Surface roughness	Ra 0.32 micron
Machine overall dimensions (L x W x H)	1800 x 1650 x 1900 mm
Machine weight	1550 kg

Applications

- Grinding mould plates and die shoes flat and parallel before fitting
- Finishing jig bases and fixture plates after hardening
- Squaring machine parts for rebuild and retrofit work
- Batch grinding of hardened steel blocks in machinery and automotive plants
- Flatting sealing faces on hydraulic manifolds and valve bodies

Materials and Construction

Cast iron bed, column and table with hardened and ground slideways. Wheel, magnetic chuck and coolant filtration are specified with the machine to suit the workpiece material and hardness.

Quality Control Before Shipping

- Table flatness and parallelism checked against the spindle axis
- Spindle run out measured before wheel mounting
- Hydraulic traverse speed checked through the full stroke
- Test pieces ground and measured for finish and parallelism
- Electrical safety and earth continuity check before crating

Customisation Options

- Magnetic chuck size and pole pitch to suit your parts
- Coolant filtration and magnetic separator options
- Wheel balancing stand and diamond dresser packages
- Voltage and frequency set for your local supply
- Wheel specification matched to your material and hardness

Certification

Machine specific certification is quoted on request and confirmed in writing before order. 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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