

TECHNICAL DATASHEET

Rotary Table Surface Grinding Machine

Manufacturer	ELB SCHLIFF
Type	ROTARY 60 STC
Control	Siemens STC
Built <i>Reconditioned*</i>	2007 2026



High Quality horizontal flat grinding machine with automatic dressing unit, rotary table, big vertical travel and full enclosure.

**) For scope of service for package "Reconditioned", see last page*

Working area

Table diameter	Ø600	mm
Grinding height over table	600	mm
Table load max	300	kg
Rotary table speed	20 - 80	1/min

Y – Axis – Vertical Adjustment of the grinding spindle

Grinding column	Meehanite-casting
Guiding system	V-flat guideways
measuring system	Heidenhain glass scale
Travel vertical	600 mm

Z-axis - cross adjustment

Cross slide	Meehanite-casting
Guiding systems	Linear roller bearings
Measuring system	rotary encoder, incremental
Cross travel	355 mm

Overhead dressing unit

Dressing travel	100 mm
Dressing speed	80 – 800 mm/min
Dressing spindle cone	MK0
Dressing diamond	0,75 CRT

Grinding spindle

Grinding spindle cone	60 mm
Power	15 kW
Spindle bearing	axial and radial backlash free
Lubrication	grease lubrication
Grinding spindle speed	1.500 – 3.500 1/min
Grinding wheel measuring	400 x 100 x 127 mm (D x B x d)

Measuring, weight

dimensions ca.	2,6 x 3,5 x 3,2 m
weight ca.	6.000 kg

Electrical

Total power supply	27 kW
Operation voltage	400 V
Operating frequency	50 Hz
Control voltage	24 V DC
Max. fuse protection	63 A

Equipment & Accessories

- Wet grinding unit with universal paper belt filter, discharge container and magnetic separator, tank capacity approx. 500 l
- Electrical cabinet with digital drives SIMODRIVE 611D
- Coolant Mist extractor
- Recooling unit for grinding spindle motor
- Fully closed machine enclosure
- Central lubrication
- Swivebale Control Panel with SIEMENS Simatic 10" Touch HMI mounted at front of the machine
- Electro-permanent magnetic plate Ø 600 mm, absolute accuracy due to lack of heat, incl. Adhesion control (30-100%), autom. magnet pole switching via push button. After switching off the magnetic disk of the remaining residual magnetism is degraded in the clamping plate
- Electric straight-line dresser built on top of the spindle stock. Dressing feed infinitely variable. Diamond delivery per single or double stroke possible (automatic compensation of the dressing amount)
- Set of nivelling shoes

Service Package – RECONDITIONED -

- Complete disassembly of the machine into its individual parts
- Extensive and thorough cleaning of the machine and all accessory components
- Technical assessment and inspection of the machine and all individual parts by our technicians
- Identifiable worn or defective parts found during the inspection are professionally repaired by our experienced service team.
- Replacement of all scrapers and whippers
- Inspection and overhaul of the spindle unit including spindle bearings
- An eye-catcher for your production - new coating with high-quality and robust 2K machine paint protects the machine structure and guarantees an attractive appearance for your customers and employees
- Test run of the machine functions under power in our showrooms before delivery
- You will receive a fully tested and functional machine that you can start using immediately.

Machines that have passed our “RECONDITIONED” service package are technically and visually not comparable with standard used machines on the market!