

TECHNICAL DATA

Rotary Table Surface Grinding Machine

manufacturer	ELB – SCHLIFF
type	ROTARY 60 SPS NK
control	ELB SPS
built	1998 / partly overhauled in 2018



***** Machine was partly overhauled in 2018 *****

Working area

Grinding diameter	600	mm
Grinding height over table ,ax.	400	mm
Table load max	300	kg
Rotary table speed	20 - 80	1/min

Y – axis: vertical travel of grinding wheel:

Grinding column	Meehanite-casting
Guiding system	V-flat guide way
measuring system	linear scale
Travel vertical	400 mm
Vertical feed rate max.	1.200 mm/min
Vertical feed min.	0,001 mm

Z-axis cross adjustment

Cross slide	Meehanite-casting
Guiding systems	Linear guideways
Measuring system	Rotary encoder, incremental
Cross travel	330 mm
Cross feed rate max.	1.500 mm/min
Cross feed min.	0,001 mm

Grinding spindle

Grinding spindle cone	60 mm
Power	10 kW
Spindle bearing	axial and radial backlash free
Lubrication	grease lubrication
Grinding spindle speed max.	1.440 1/min
Grinding wheel measuring	400 x 100 x 127 mm (D x B x d)

Measuring, weight

dimensions ca.	2,5 x 2,7 x 2,7 m
weight ca.	5.200 kg

Electrical

Total connected load	18 kVA
Operation voltage	400 V
Operating frequency	50 Hz
Control voltage	24 V DC
Fuse protection	35 A

accessories

- Wet grinding device with universal paper filter and upstream permanent magnet filter, tank capacity 270 l
- Workspace protection open at top
- 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 headstock. Dressing feed infinitely variable. Diamond delivery per single or double stroke possible (automatic compensation of the dressing amount)

Scope of overhauling

- New bearing of the grinding spindle
- New bearing of rotary table
- New belt for rotary table drive
- New guideways and roller shoes in Z-axis
- New bearing of ball screw in Z-axis
- New belt for Z-drive
- New dresser quill
- New motor for cross movement of the dresser
- New gaiters in Y- and Z-axis
- Working cabine and all overhauled pieces new painted in RAL 5010 (blue) and RAL9001 (white)