



THE NEW ART OF GRINDING - ROTARY TABLE GRINDING MACHINES Z SERIES



ROTARY TABLE GRINDING MACHINES Z SERIES

Features

- Sturdy cast iron execution of all machine components
- High machine weight for maximum rigidity
- Preloaded precision linear guideways in the vertical- and cross axis (Bosch Rexroth) for highest accuracy
- Electro-mechanic cross- and vertical motion
- Direct measuring system in vertical axis (Heidenhain) for exact positioning
- Encoder in cross axis
- Maintenance-free paper band filtration unit with 500 l tank and 2 bar pressure pump for effective cooling and rinsing
- Integrated rinsing channel
- Magnetic separator for prefiltration
- Power supply: 400 volt, 3 phases, 50 hertz
- Grinding spindle drive through coupling, eliminating heat transfer
- Infinitely variable grinding spindle motor

- Grinding spindle motor with constant cutting speed during the complete working range of the grinding wheel (v_{constant})
- Super precision spindle bearings guarantee high durability
- Machine lamp
- Table-mounted dressing unit for high precision and surface finish
- Electro-permanent magnetic chuck (SAV) with integrated pole changing unit and traction regulation
- Regulation in 8 steps
- No heating of the magnetic chuck guarantees highest precision
- Full encapsulation with sliding door and service door on the face; effective splash guard with excellent accessibility
- Preparation of the machine for installation of a coolant mist exhaust unit; connection piece $\varnothing = 200$ mm

Control system features

- Very comfortable and easy to operate Z-control
- Automatic vertical positioning with compensation for the planing value
- Fully-automatic grinding cycle with planing cycles
- Easy operation via touchscreen
- Large, easy to read 10.4" colour display
- Electronic handwheel, effective for vertical and transverse axes

Machine type		Z 500R	Z 600R	Z 800R	Z 1000R
Cross travel	mm	400	550	550	650
Size of magnetic chuck \varnothing	mm	500	600	800	1,000
Distance table to spindle centre	mm	600	600	600	600
Table load incl. magnetic chuck	kg	500	600	800	1,000
Infeed cross axis	mm/min	0–2,000	0–2,000	0–2,000	0–2,000
Infeed vertical axis	mm/min	0–1,500	0–1,500	0–1,500	0–1,500
Grinding wheel dimensions	mm	400 x 80 x 127	400 x 80 x 127	400 x 80 x 127	400 x 80 x 127
Grinding spindle drive	kW	11	11	11	11
Rotary table speed	rpm	10–100	10–100	10–80	10–80
Capacity cooling system	L	500	500	500	500
Machine dimension [L x W x H(max)]	mm	3,600 x 1,800 x 2,500	3,800 x 2,100 x 2,500	4,350 x 2,450 x 2,820	4,500 x 2,700 x 2,820
Machine weight [approx.]	kg	3,900	4,500	5,700	6,400



SCHLEIFMASCHINEN

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