

HIGH-PERFORMANCE FLAT GRINDING MACHINE FSG AD IV 1224/1632/1640

FSG AD IV 1224/1632/1640 Best.-Nr.: 630750/630751/630752



ALL HIGHLIGHTS AT A GLANCE

- Spindle motor AC-servo
- Infinitely variable spindle speed
- Vertically over AC servo motor, CNC axis
- Internal resolution 0.001
- Transversal over servo motor with „Teach in“ for wide limitation
- Longitudinal hydraulic
- Electronic handwheel for vertical and transversal
- Minimum delivery vertical 0.001 mm
- Dressing with diamond, mounted on the table
- Jog-movement buttons for all 3 axes
- Mask input for cycles: Flat n: grinding
Cross grinding
Plunge grinding
- Integrated „dynamic“ balancing of the grinding disk in the machine.
- Load and vibration monitoring

Further information on the machine series and numerous accessories can be found on our website:
<https://www.wagner-maschinen.de/en/grinding>

TECHNICAL DATA

- Max. grinding length 610/810/1.015 mm
- Max. grindingwidth 305/405/405 mm
- Table traverse path 650/850/1.050 mm
- Max. transverse travel 295/395/395 mm
- Max. distance between spindle centre and table surface 610/610/610 mm
- Distance from table to floor 970/980/980 mm
- Workpiece weight without magnetic plate 230/350/440 kg
- Workpiece weight with magnetic plate 145/175/220 kg

Table:

- Table size 300x600/400x800/400x1000 mm
- T-slots 1/14 mm
- Longitudinal: Adjustable table speed 5-25 m/min.
- Transverse: Automatic feed 3-32 mm

- Smallest increment 0,001 mm
- Speed 0-2,250 mm/min.
- Delivery:
- Automatic feed 0,001-0,04 mm
- Rapid traverse 675 mm/min.
- Smallest increment 0,001 mm
- Speed range 500-2100 U/min.
- Spindle motor 3,75 kW
- Dimensions of the grinding disk 355x50x127 mm
- Connected load 9/10/10 kva

Pneumatics:

- Y-/Z-axis, motors 0,83/1,7/1,7 kW
- Hydraulic motor 0,75/1,5/1,5 kW
- Installation surface (LxWxH) 2.950x1.490x2.100 / 3.540x1.703x2.100 / 4.280x1.703x2.100 mm
- Weight 2.200/2.900/3.500 kg

STANDARD EQUIPMENT

- partial enclosure
- Longitudinal and transverse axis: needle bearing
- Vertical axis: used steel bars with roller bearing
- Precision spindle with 4 angular contact mated bearings

- Complete electrical equipment 400 V./50 Hz.
- AC servo motor in the Y-axis with encoderr
- AC motor in the Z-axis with encoder
- Indirect measuring system in the Y- and Z-axis
- Flange with grinding disk
- Levelling screws
- Heat exchanger electrical cabinet

SPECIAL EQUIPMENT

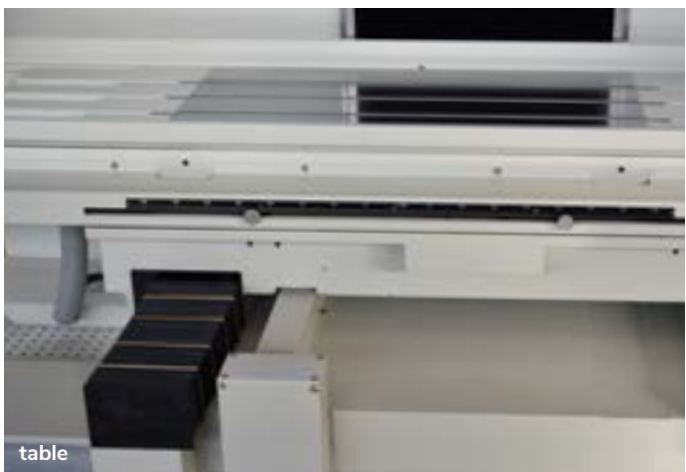
- Electromagnetic plate
- Adjustable adhesive force and automatic demagnetisation (chuck control)
- Higher enclosure with separate front control panel
- Wet grinding unit with automatic fleece roller filter system 120 L
- Hydraulic parallel overhead dressing device

- Dressing of the grinding disk on the table, with compensation
- Automatic parallel overhead dressing device
- Spindle motor 5.5 KW instead of 3.75 KW
- Grinding disk flange and weights
- Oil separator incl. extraction

DETAIL PICTURES



control pane



table

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We reserve the right to make design changes in the course of technical improvements. Illustrations, dimensions and weights are not binding.