

PROFILE FLAT GRINDING MACHINE SMART H/B-IV 2048/2064/2448/2464/2480

SMART 2048 H-IV / 2048 B-IV	Order no.: 635220 / 635222
SMART 2064 H-IV / 2064 B-IV	Order no.: 635221 / 635223
SMART 2448 H-IV / 2448 B-IV	Order no.: 635216 / 635218
SMART 2464 H-IV / 2464 B-IV	Order no.: 635217 / 635219
SMART 2480 H-IV / 2480 B-IV	Order no.: 635212 / 635215



ALL HIGHLIGHTS AT A GLANCE

- Premium flat grinding machine
- With 2 or 3 simultaneously CNC-controlled axes
- Cross table version
- Transverse travel covered by plate: :
8 = 224, 12 = 400, 16 = 500, 24 = 700 mm
- Longitudinal travel 460 - 2.000 mm
- Different grinding disks saved
- Dressing with automatic compensation
- Different grinding cycles: Flat grinding, cross grinding, plunge grinding, profile grinding linkable

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

OTHER HIGHLIGHTS

- Machine equipped with CNC control and „WOP“ (workshop-optimised programming)
- H = 2 CNC axes (hydraulic longitudinal travel), B = 3 CNC axes (Balligschleifen)
- Grinding cycles: Flat grinding, cross grinding, plunge grinding (also multiple) as well as profile grinding
- Profile dressing with the diamond roller mounted above the table, or the diamond roller mounted above the head
- Longitudinal movement hydraulically (high cutting speed) or by the recirculating ball screw like in the Z- and Y-axis
- Machine base and bed made of Meehanite cast iron with honeycomb ribbing
- Spindle with 4 high-precision angular ball bearings and permanent lubrication system (vertical axis)
- Hardened and ground vertical guides, guides, Turcite-B counter-coated
- Spindle slide with weight compensation
- Table: Cross slides, column, and bed made of honeycomb-ribbing-hardened cast iron
- Table guide in double version, suitable for side grinding
- 2/3 electronic handwheels for vertical and cross movement with contour handwheel

TECHNICAL DATA

- Table clamping surface
600 x 1.200 mm / 600 x 1.600 mm / 600 x 2.000 mm
- Number and width of T-slots in the table 3/14 mm
- Max. grinding length
1.200 mm / 1.600 mm / 2.000 mm
- Max. grinding width (with 75 mm discs)) 600 mm
- Magnetic clamping plate dimensions
600 x 1.000 mm / 2 x (600 x 750 mm) / 2 x (600 x 1.000 mm)
- Max. traverse path in the X-axis
1.300 mm / 1.700 mm / 2.100 mm
- Max. traverse path in the Z-axis, transversal 560 mm
- Max. traverse path in the Y-axis, vertical, 675 mm
- Max. distance between table surface and grinding spindle centre 850 mm
- Drive power X-axis 7,5 kW
- Infinitely variable table length feed from-to, 0.5-30 m/min
- Rapid traverse in the Z-axis, 5 m/min
- Drive power in the Z-axis, 3 kW
- Rapid traverse in the Y-axis, approx. 2 m/min
- Smallest adjustment increment with the electronic handwheel 0.001 mm
- Grinding spindle speed 5-2,200 rpm
- Drive power of the grinding spindle 11 kW (opt. 18.5 kW)
- Grinding disk dimension diam. x width x hole 406 x 75 x 127 mm (Opt. 508 mm)
- Drive power hydraulic pump motor 3,7 kW / 5,5 kW / 5,5 kW
- Hydraulic tank volume 250 l
- Total connected load 20,8 kW / 22 kW / 23,6 kW
- Space requirement (WxDxH)
3.700 / 4.700 / 6.200 x 4.000 x 3.250 mm
- Weight approx. 8.400 kg / 8.800 kg / 9.600 kg

STANDARD EQUIPMENT

- Full enclosure
- 1 grinding disk
- 1 grinding disk flange
- 1 set of levelling screws with adjusting blocks
- 1 toolbox with operating wrench
- 1 balancing arbour

SPECIAL EQUIPMENT

- Electromagnetic plate
- Adjustable adhesive force and automatic demagnetisation
- Wet grinding unit with automatic fleece roller system
- 18 kW incl. 508 mm grinding disk B31-0706
- Grinding disk flange Ø 127 mm (5")
- Machine light

DETAIL PICTURE



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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.