

CONVENTIONAL MILLING MACHINES

Series BVT / WBK

HIGHLIGHTS

- Bed milling machine
- Strong machine bed made of quality cast iron
- Swivelling head
- 4-axis digital display
- Infinitely variable automatic feeds
- Pneumatic tool clamping
- Infinitely variable speed range
- Complete cooling and lubrication system



TECHNICAL DATA AT A GLANCE

Machine type	 mm	 mm	 min ⁻¹	 kg	 kW
BVT 1270 2VS	1.000x480x590	1.270x400	70 - 3.800	2.400	3,75
WBK 1300	1.300x460x770	1.300x400	70 - 3.800	2.800	3,75

- Heavily ribbed vertical column, thus low-vibration spindle run
- Control panel with ergonomically arranged function keys incl. swivelling extension arm
- Work area partial enclosure with two front sliding doors made of acrylic glass
- Longitudinal table guide, dovetail precision-scraped
- Longitudinal table movement with ball screw manually and with automatic, stepless variable feed
- Mechanical spindle brake with switch-off
- Halogen work light
- Strong flat guides in the Z-axis with telescopic cover
- Vertical milling head with stepless variable spindle speeds spindle speeds in two ranges
- Spindle switch-off via the emergency stop chain
- Telescopic cover in the Y-axis
- Strong flat guide in the Y-axis
- Chip collection tray

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

VERTICAL BED MILLING MACHINE BVT 1270 2VS / WBK 1300

BVT 1270 2VS with digital position indicator in 4-axis incl. scale for quill **order no.: 510086**

WBK 1300 with digital position indicator in 4-axis, fully assembled **Order no.: 510751**



ALL HIGHLIGHTS AT A GLANCE

- Cross table, C-design, flat-guided
- Swivelling vertical milling head with quill
- Quill with automatic feed in 3 sizes
- Infinitely variable speed in 2 ranges from: 70-3.800 rpm
- X and Y axis with ball screw
- Ball screw Z-axis optional
- 4-axis digital display
- Transverse travel of: 480 mm
- Longitudinal travel from: 1.000 mm

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TECHNICAL DATA BVT 1270 2VS

- Table clamping surface 1.270x400 mm
- Table load 600 kg
- Number of T-slots 5
- T-slot width 16 mm
- T-slot spacing 64 mm
- X-axis autom. (longitudinal) 1.000 mm
- Y-axis autom. (transverse) 480 mm
- Z-axis motorised (vertical) 590 mm
- Feed rates in all 3 axes from 25-4.000 mm/min
- Quill 0,04-0,08-0,15 mm/rev
- Quill stroke 120 mm
- Stepped spindle speeds in 2 ranges 70-3.800 min⁻¹
- Tool holder in the spindle DIN 2080 ISO 40
- Motor power, spindle 3.75 kW
- Longitudinal/cross feed 0.75 kW
- Vertical adjustment 0.38 kW
- Coolant pump 0.08 kW
- Dimensions 2.000x2.180x2.550 mm
- Weight, ca. 2.400 kg

TECHNICAL DATA WBK 1300

- Table clamping surface 1,300 x 400 mm
- Table load capacity, 800 kg
- Number of T-slots 5
- T-slot width, 16 mm
- T-slot spacing, 63 mm
- Travel distance X-axis longitudinal automatic 1,300 mm
- Travel distance Y-axis transverse automatic 460 mm
- Z-axis travel, vertical, motorised, 770 mm
- Automatic feeds
- stepless with individual servo motors
- Vertical milling head swivels 45° to the left and 90° to the right
- Quill 0,04-0,08-0,13 mm/rev
- Quill diameter 100 mm
- Quill stroke 120 mm
- Stepless speed 70-3,800 rpm
- Tool holder in the spindle DIN 2080 ISO 40
- Motor power, spindle 5.5 kW
- Longitudinal/transverse feed 0.75 kW
- Vertical adjustment 0.75 kW
- Coolant pump 0.08 kW
- Dimensions (LxWxH) 2,452x2,720x2,389 mm
- Weight approx. 2,800 kg

STANDARD EQUIPMENT BVT 1270 2VS / WBK 1300

- Including scale for quill completely assembled
- Complete coolant unit
- Ground table clamping surface
- Ball screws in the X- and Y-axis
- Hardened flat guides in the Y- and Z-axes and coated (Turcite)
- Counterweight compensation in the Z-axis
- Manual tool clamping
- Stepless feed in the X-, Y- and Z-axis
- Sheet steel telescopic cover in the front of the Y-axis
- Telescopic cover in the Z-axis
- Manual spindle brake with switch-off
- Automatic centralised lubrication
- Vertical head can be swivelled to the left 45° and 90° to the right
- Stepless spindle speeds in 2 ranges 70-500 and 600-3.800 min⁻¹
- For the WBK 1300 with frequency converter
- Complete electrical equipment 400 V./50 Hz.
- Operating tool and documentation
- CE standard

SPECIAL EQUIPMENT BVT 1270 2VS / WBK 1300

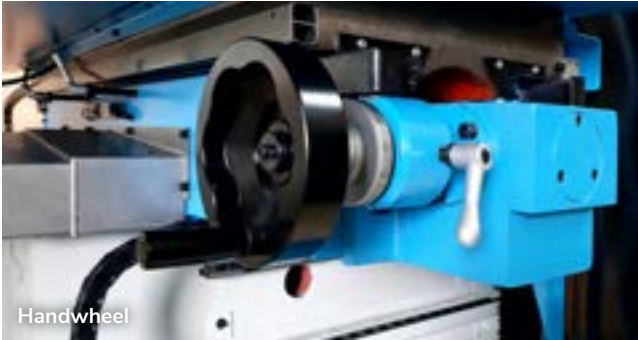
- Automatic pneumatic tool clamping including maintenance unit (5 bar compressed air required)
- Ball screw for the Z-axis

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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.

DETAIL PICTURES



Handwheel



Control system



BVT 1270 Spindle head front



Lubrication system



Spindle head sideways

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