CONVENTIONAL MILLING MACHINES
Series WBK

HIGHLIGHTS

- Bed milling machine
- Heavy duty version
- Spindle+motors with servo drive
- 3 electronic handwheels
- Stepless spindle speed
- Complete cooling and lubrication system

TECHNICAL DATA AT A GLANCE

Machine type	mm	mm	min-1	kg	kW
WBK 1600	1.600x800x630	1.900x700	60-3.000	7.000	5,5/7,5

- Heavily ribbed vertical column, resulting in low-vibration spindle run
- Digital position indicator
- 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 movement by means of ball screw manually and with automatic, infinitely variable feed
- Powerful flat guides in the Z-axis with telescopic cover and recirculating ball screw
- Strong machine bed made of quality cast iron
- Vertical milling head with infinitely adjustable spindle speeds
- Mechanical spindle brake with switch-off
- Halogen work light
- Bellows cover in the Y-axis
- Powerful flat guide in the Y-axis
- Cross table movement with manual and automatic step-by-step feed Feed with recirculating ball screw
- 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 WBK 1600

WBK 1600 with digital position indicator in 3-axis, fully assembled **Order no.: 510750**

ALL HIGHLIGHTS AT A GLANCE

- Heavily ribbed vertical column, resulting in low-vibration spindle run
- Digital readout
- Control panel with ergonomically arranged function keys incl. swivelling extension arm
- Longitudinal table movement by means of ball screw manually and with automatic, infinitely variable feed
- Vertical milling head with infinitely variable spindle speeds

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TECHNICAL DATA

- Table clamping surface, mm 1.500 x 400 / 1.900 x 700
- Table load, kg 800/1.400
- Number of T-slots 5/6
- T-slot width, mm 16/18
- T-slot spacing, mm 63/105
- Traverse path X-axis lengthwise autom, mm 1.300/1.600
- Traverse path Y-axis transverse autom, mm 460/800
- Vertical Z-axis travel, motorised, mm 770/630
- Automatic feeds
- Stepless with individual servomotors
- Vertical milling head can be swivelled to the left 45° and right 90° (WBK 1300)
- Quill diameter 100/110
- Quill stroke 120 mm
- Infinitely variable speed 70-3.800/60-3.000 rpm
- Tool holder in the spindle DIN 2080 ISO40
- Motor power, spindle 3,75/5,5 kW
- Longitudinal/cross feed 0,75 kW
- Vertical adjustment 0,75 kW
- Coolant pump 0,08 kW
- Dimensions L x W x H 2.452 x 2.720 x 2.389 mm 4.500 x 2.900 x 2.700 mm
- Weight ca. 2.800/7.000 kg

STANDARD EQUIPMENT

- Feed in all 4 axes (WBK 1300) and 3 axes (WBK 1600) infinitely variable via potentiometers adjustable via potentiometer, or with electronic handwheel (no conventional handwheels)
- Vertical milling head SK 40, DIN 2080 with quill and three automatic feeds (WBK 1300)
- Complete coolant system
- Ground table clamping surface
- Ball screws in the X, Y and Z axes
- Hardened flat guides in the Y and Z axes and counter-coated (Turcite)
- Weight compensation in the Z-axis
- Complete coolant system
- Ground table clamping surface
- Ball screws in the X, Y and Z axes
- Hardened flat guides in the Y and Z axes and counter-coated (Turcite)
- Automatic tool clamping (pneumatic via clamping rod)
- Infinitely variable feed in the X, Y and Z axes
- Sheet steel telescopic cover in the Y-axis front and rear
- Metal cover in the Z-axis
- Automatic central lubrication of the Z-axis
- Spindle speeds in 16 steps, 60-3.000 rpm.
- Complete electrical equipment 400 V./50 Hz.
- Operating tools and documentation
- CE standard

DETAIL PICTURES

Gear head

Tours

Control panel

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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.