

CNC bed milling machines

Series WBE S

HIGHLIGHTS

- Cross table
- C-design
- Infinitely variable speed manually adjustable
- Flat guided
- Automatic tool clamping
- Spindle with gearbox (2 stages)
- With swivelling head
- Control system: SIEMENS, FAGOR



TECHNICAL DATA AT A GLANCE

Machine type	 mm	 mm	 min ⁻¹	 kg	 kW
WBE 1000S	1.000x420x580	1.270x400	SK40: 4.200	3.700	9/12
WBE 1300S	1.300x500x580	1.500x400	SK40: 4.200	3.900	9/12

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

CNC BED MILLING MACHINE WBE 1000S/1300S

High-performance bed-type milling machines from the WBE series were developed and built to meet the constantly increasing demand for machines with high performance and flexibility.

WBE 1000S/1300S with SIEMENS 828 D control unit with Shopmill **Order no.: 510342/510343**

WBE 1000S/1300S with FAGOR 8060 iFL-MC control unit **Order no.: 510148/510152**



ALL HIGHLIGHTS AT A GLANCE

- Bed milling machine in cross table design
- Swivelling head with quill
- Stepless speed manually adjustable via control
- Swivelling head with gearbox (2 stages)
- Stand with weight compensation
- Table: Optimum load possible as bed design
- Automatic pneumatic tool clamping
- Electronic handwheel
- Base body: Wide bed to guide the table
- Induction-hardened and ground flat guides
- flat guides with turcite
- Integrated coolant device
- Automatic central lubrication
- Drive package matched to control unit
- Control system: SIEMENS, FAGOR

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TECHNICAL DATA

- Table size 1.270/1.500x400 mm
- Number/size of T-slots 16x5x63 mm
- Table load 700 kg
- Longitudinal movement, X-axis 1.000/1.300 mm
- Transverse movement, Y-axis 420/500 mm
- Vertical movement, Z-axis 580 mm
- Quill stroke 120 mm
- Spindle holder extended tightening stages with M16
- Thread (without trigger)
- Spindle taper SK 40 DIN 69871
- Spindle speed Inverter motor
- Stepless spindle speed 4.200 rpm
- Feed speed X-, Y- and Z-axis 0-4,000 mm/min
- Rapid traverse, X-, Y- and Z-axis 0-5.000 mm/min
- Repeatability +/- 0,005/300 mm
- Positioning accuracy +/- 0,01/300 mm
- Drive and motors (Siemens 828 D)
Spindle motor AC-30 min. ED 9/12 kW
- Coolant pump motor 0,1 kW
- Machine weight without enclosure
4.200/4.300 kg
- Width incl. table 2.388 mm
- Depth with closed enclosure door
2.055 mm
- Max. width with table travel 3.500 mm
- Depth with open enclosure door 2.750 mm

STANDARD EQUIPMENT

- Main spindle motor with frequency converter via 2-step gearbox
- Table housing
- Swivelling head with quill left 45°/right 90°
- Automatic tool clamping via M16 clamping rod and pneumatic motor (for SK 40 DIN 69871)
- 3 automatic feeds in the quill
- Quill travel is not calculated with the CNC control control
- 3 controlled axes X = table, Y = cross slide, Z = head in column guide
- Automatic centralised lubrication
- Coolant device
- Halogen machine light
- Tool box with operating tools
- Safety fence according to CE
- Chip tray
- Rubber cover in the Z-axis
- Telescopic cover sheet steel in the X-axis and Y-axis
- Electronic handwheel switchable in the X, Y and Z-axis with cable
- Documentation

SPECIAL EQUIPMENT

- Full enclosure (WBE 1000 S /WBE 1300 S)

DETAIL PICTURES



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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.