

CNC VERTICAL MACHING CENTRE






Series WMC 1600 C-1800 C



HIGHLIGHTS

- Automatic tool clamping
- Central lubrication
- Flat-guided vertical machining centres
- Vibration damped properties
- Transverse travel of 900 mm
- Ring cooling nozzles in the spindle head
- Large travel, 4 axes
- Ergonomic operation

TECHNICAL DATA AT A GLANCE

Machine type	 mm		 min ⁻¹	 kg	 kW
WMC 1600 C	1.600 x 900 x 700	30	SK50: 1 - 6.000	15.500	30/22
WMC 1800 C	1.800 x 900 x 700	30	SK50: 1 - 6.000	16.000	30/22

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

CNC VERTICAL MACHINING CENTRE WMC 1600 C/1800 C

WMC 1600 C/1800 C with SIEMENS 828 D Shopmill with tool holder SK 50 **Order no. 520192S/ 520195S**



ALL HIGHLIGHTS AT A GLANCE

- The bed is a rigid ribbed Meehanite cast body with flat guides, on which the slide moves. In its cross movement, the machine has over 4 flat guides, which increases the stability.
- The column is a heavily ribbed Meehanite cast body with high torsional rigidity and flat guides, on which the headstock moves.
- The slide made of ribbed cast Meehanite can be operated on the bed. On the upper part, it is equipped with flat guides, on which the worktable moves.
- The generously sized table is perfectly suitable for processing large workpieces. Max. table load 1,900 kg
- Main spindle: low heat development due to special construction, as well as grease packages and spindle oil cooling.
- The machine has a double-gripper tool changer as a standard. It achieves a faster tool change time and is available with 30 tool magazine positions. This changer makes it possible to also use larger or longer tools. The tool magazine is fitted outside the workspace.
- Recirculating ball screws: the X-, Y and Z-axis are equipped with axially supported, large-sized, prestressed recirculating ball screws on both sides.

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TECHNICAL DATA

Table

- Clamping surface 2.000 x 900 mm
- T-slots (number/size/distance) 22 x 5 x 165 mm
- Table load 1.900 kg

Traverse paths

- Longitudinal movement, X-axis, 1.600/1.800 mm
- Cross movement, Y-axis, 900 mm
- Vertical movement, Z-axis, 700 mm
- Distance spindle nose – table
150-850 / 180 - 880 mm
- Distance spindle centre – column 1.000/1.080 mm

Spindle head

- Spindle taper SK 50
- Spindle speed 1 - 6.000 U/min. bei SK 50
- Spindelmotor digital, SIEMENS 828 D,
S6 40% 30 kW / S1 100% 22 kW

Automatic feed and rapid traverse

- Rapid traverse, X/Y/Z, 20.000 mm/min
- Feed range, X/Y/Z, 1-5.000 mm/min

Tool

- 30 tool magazine positions
- Tool holder DIN 69871 A SK 50
- Tool Ø max. 110 mm
- Tool weight max. 15 kg
- Tool change time 4 sec
- Time from machining to machining 6 sec
- Repeat accuracy, +/- 0.003 mm
- Positioning accuracy +/- 0.005
- Machine weight approx. 15.500/16.000 kg
- Dimensions (LxWxH) 4.640 x 3.450 x 3.100 /
4.640 x 3.450 x 3.100 mm

STANDARD EQUIPMENT

- Full machine enclosure with doors
- Automatic tool changer in double-arm design with 30 stations
- More powerful motor 22/30 kW
- Spindle oil cooler
- Ring cooling nozzles integrated in the spindle head for optimum cooling water supply to the tool
- Coolant gun
- Air gun
- Preparation for chip conveyor
- Flat guides with Turcite B counter coating

- Complete coolant system
- Automatic central lubrication
- Spindle blow-out device
- Indicator light
- Machine light
- Machine feet with levelling screws
- Tool box with operating tools
- Documentation
- CE standard
- Electrical equipment 400 V / 50 Hz.

INCLUSIVE

- 15" touch panel
- Cooling via the spindle 30 bar
- Hinge belt chip conveyor
- 30-station tool changer

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.