

CNC VERTICAL MACHINING CENTRE WMC 2000/2500/3000

WMC 2000/2500/3000 with CNC control SIEMENS 828 D, SK 40 – Order no. / 520487/ 520494

WMC 2000/2500/3000 with CNC control SIEMENS 828 D, SK 50 – Order no/ 520486/ 520488/ 520495



ALL HIGHLIGHTS AT A GLANCE

- Traverse paths: Large working range $Y = 1,000 \text{ mm}$
- Spindle holder SK 40 or SK 50
- 2 recirculating ball screws in the cross axis (WMC 2500 / 3000)
- Table clamping surface in Y like travel max. load 3,000 kg / 3,200 kg / 4,000 kg
- Guides: on a wide saddle in the transverse travel with 6 flat guides in the CNC vertical machining centres
- Cooling through the spindle, upon request for both holders
- Enclosure with 2 wide doors for optimal fitting
- Option of a hinged belt chip conveyor with a flushing device
- Central lubrication
- Directly coupled drives
- Drive package aligned with control unit
- Flat guides in all 3 axes
- Solid base body for heavy-duty machining, the table is always guided

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>

TECHNICAL DATA

Table

- Clamping surface 2,200 / 2,700 / 3,200 x 1,000 mm
- T-slots (number/size/distance) 22 / 8 / 125 mm
- Table load max. 3000 / 3,200 / 4,000 kg

Traverse paths

- Longitudinal movement, X-axis, 2,000 / 2,500 / 3,000 mm
- Cross movement, Y-axis, 1,000 mm
- Vertical movement, Z-axis, 800 mm
- Distance spindle nose – table 185-985 mm

Spindle head

- Spindle taper SK 40 / SK 50
- Infinitely variable speed range 40-8,000 min-1 with SK 40 30-6,000 min-1 with SK 50

Motors

- Spindle motor 30 min 50% ED, 22 kW
- Spindle motor 30 min 100% ED, 30 kW

- 24 tool magazine positions
- Tool holder SK 40 / SK 50
- Max. tool Ø SK 40 135 mm / SK 50 220 mm
- Tool weight SK 40 / SK 50: 7 / 15 kg
- Tool change time SK 40: 2 sec / SK 50: 10 sec
- Time from machining to machining SK 40 4 sec / SK 50 18 sec

Automatic feed and rapid traverse

- Feed X-, Y-, Z-axis 1-7,000 mm/min
- Rapid traverse X-, Y-, Z-axis, 16,000 mm/min
- Repeat accuracy, +/- 0.003 mm
- Positioning accuracy, +/- 0.005 mm
- Dimensions (LxWxH)
- WMC 2000 5,685 x 3,550 x 3,600 mm
- WMC 2500 6,490 x 3,665 x 3,550 mm
- WMC 3000 7,200 x 3,665 x 3,550 mm
- Weight 20,000 / 23,000 / 25,000 kg
- WMC 2500 6.490x3.665x3.550 mm
- WMC 3000 7.200x3.665x3.550 mm

STANDARD EQUIPMENT

- Full machine enclosure with doors
- Automatic tool changer in double-arm version, 30 stations
- Double-arm version, 24 stations spindle oil cooler
- Ring cooling nozzles in spindle head, integrated for optimal cooling water supply on the tool
- Flat guides Turcite B counter-coated
- Complete coolant system
- Coolant gun
- Air gun
- Automatic central lubrication
- Spindle blow-out device
- Indicator light
- Machine light
- Machine feet with levelling screws
- Tool box with operating tools
- Electrical equipment 400 V / 50 Hz
- Documentation
- CE standard

SPECIAL EQUIPMENT

- Surcharge for SIEMENS 828 high-resolution 15.6-inch screen
- Spiral chip conveyor
- Hinged belt chip conveyor with carriage (WMC 2000)
- Hinged belt chip conveyor with 2 carriages WMC 2500 / 3000
- Cooling through the spindle with filter cartridge, 15 bar for holder BT
- Higher price for paper filter system with separate tank for option Cooling through the spindle, with 20 bar instead of cartridge
- Higher price for direct drive, spindle speed 12,000 rpm SK 40
- Cooling through the spindle, direct drive 8,000 rpm SK 50
- Higher price for tool changer with double gripper arm and 30 tool magazine positions for SK 40
- Higher price for tool changer with double gripper arm and 32 tool magazine positions for SK 50
- Higher price for tool changer SK 40 with 40 positions instead of 24 positions

DETAIL PICTURES

