

CNC 5-AXIS MACHINING CENTRE WMC 5A 630 with SIEMENS control unit

WMC-5A-630 with Siemens 828 DSL control unit – Order no. 520506

This high-performance 5-axis vertical machining centre was specially developed to meet the ever-increasing demands in the machining.



ALL HIGHLIGHTS AT A GLANCE

- The machine can be adjusted to the processing due to its design.
- 5-Axis simultaneous processing is possible
- The spindle is a motor spindle with max. 18,000 rpm
- Full enclosure is standard
- Double-arm tool changer with 30 tool magazine positions
- Cooling through the tool (option)
- Chip conveyor

Further information on the machine series and numerous accessories can be found on our website:
<https://www.wagner-maschinen.de/en/milling/cnc-5-axis-machining-centres>

TECHNICAL DATA

Table

- Table load max. 300 kg

Traverse paths

- Longitudinal travel: X-axis 650 mm
- Transverse travel: Y-axis 450 mm
- Vertical travel: Z-axis 475 mm
- Distance spindle nose – table surface 72-547 mm

Spindle head

- Spindle taper HSK 63
- Speed range 18,000 rpm

Drives and motors

- Spindle motor 31.5 kW
- Torque 100 Nm

4./5. Axis

C-Achse-Drehachse:

- C-axis-rotating axis:
- Rotating table 360°
- Holder of centring device 110 / left right
- T-slots number/width 5 / 18 mm H7

B-/C-axis swivelling axis:

- B-axis swivelling range +/- 110°
- Max. workpiece weight C-axis 360° 300 kg

Tool

- 30 tool magazine positions
- Tool holder DIN 69871 A HSK 63
- Max. tool diameter 300 mm
- Max. tool weight 7 kg
- Tool change time 2 sec
- Time from machining to machining 5 sec

Automatic feed and rapid traverse

- Feeds, X/Y/Z, 10,000 m/min
- Rapid traverse, X/Y/Z, 30,000 mm/min
- Repeat accuracy VDI 3441, PS 0.008 mm
- Positioning accuracy VDI 3441, P 0.01 mm
- Connected load 50 KVA
- Coolant tank 180 l
- Coolant pump 5 bar
- Dimensions (LxWxH) 3,684 x 2,700 x 3,300 mm
- Machine weight 6,000 kg

STANDARD EQUIPMENT

- 15" screen
- Table 630 x 500 mm
- B-/C-axis direct measurement system with encoder
- B-axis with counter bearing
- 4./5. axis as a unit
- 18,000 rpm motor spindle
- 30 stations double-arm tool changer
- Spindle oil cooler
- Linear guide in all 3 axes
- Portable electronic handwheel
- Covers in all 3 axes
- Scraper belt conveyor - ejection left
- Full machine enclosure with doors over corner
- Complete coolant system

- Cooling through the spindle, 15 bar
- Air cooling of the electrical cabinet through 2 separate cooling circuits
- Spindle blow-out device
- Water and air gun
- Automatic central lubrication
- Machine light
- Indicator light
- Machine feet with levelling screws
- Tool box with operating tools
- Documentation
- Electrical equipment 400 V / 50 Hz
- CE standard

SPECIAL EQUIPMENT

- Surcharge for 5-axis, simultaneous SIEMENS ONE
- Linear scales in all 3 axes
- Measuring probe system OMP60+OTS HSK63 consisting of: OMP60/OTS (high precision)

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.