

CNC 5-AXIS MACHINING CENTRE WMC 1100B with SIEMENS control unit

WMC 1100B with Siemens 828 Shopmill Order no. 520150

This high-performance CNC 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
- The milling head is the 4. axis. The swivelling, B-axis, is carried out with a precision worm drive. This guarantees good dynamics
- 5. axis can be delivered as C or A, attached or as a partial device with tailstock (option)
- The swivelling of the head and one axis on the table enables optimal workspace conditions
- The spindle is a motor spindle with max 12,000 rpm
- Full enclosure is standard
- Double-arm tool changer with 30 tool magazine positions
- Cooling through the tool (option)
- The rotary table is removable and has a diameter of 400 mm (option)
- Chip conveyor (option)

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

- Clamping surface 600 x 1,300 mm
- Clamping surface with rotary table 600 x 900 mm
- T-slots (number/size/distance) 18 / 5 / 125 mm
- Table load max. 800 kg

Traverse paths

- Longitudinal travel: X-axis 1,100 mm
- Transverse travel: Y-axis 600 mm
- Vertical travel: Z-axis 830 mm
- Distance Spindle nose – table 20-850 mm
- Option with rotary table, C-axis Ø 350 / 500 mm
- Distance Spindle centre – cover 650 mm
- Guide distance, X/Y/Z, 466 / 840 / 526 mm
- Swivelling head B-axis -30 / +110°

Spindle head

- Spindle taper DIN 69871A SK 40
- Infinitely variable spindle speed range, 80-12.000 rpm

- Motor spindle S6 40% 22.5 kW
- Motor spindle S1 100% 18 kW

Tool

- 30 tool magazine positions
- Tool holder DIN 69871 A SK 40
- Tool Ø max. 77.5 mm
- Tool weight max. 7 kg
- Tool change time 2.4 sec
- Time from machining to machining 4.5 sec

Automatic feed and rapid traverse

- Feeds, X/Y/Z, 10,000 m/min
- Rapid traverse, X/Y/Z, 36 / 36 / 18 m/min
- Repeat accuracy 3 arc sec
- Positioning accuracy 20 arc sec
- Smallest setting of precision worm wheel 0.001°
- Repeat accuracy VDI 3441 PS 0.010 mm
- Positioning accuracy VDI 3441, P 0.014 mm
- Dimensions (LxWxH) 3,684 x 2,700 x 3,300 mm
- Machine weight 7,300 kg

STANDARD EQUIPMENT

- B-axis in the head +/- 110°
- Automatic tool changer, 30 positions
- Double-arm tool changer
- Spindle oil cooling
- Linear guide in all 3 axes
- Portable electronic handwheel (with Siemens 828D)
- Telescopic covers in all 3 axes
- Full machine enclosure with doors
- Air cooling of the electrical cabinet through 2 separate cooling circuits

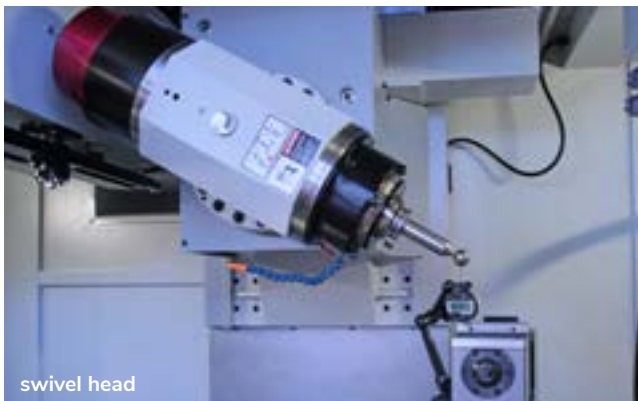
- Complete coolant system
- Spindle blow-out device
- Water and air gun
- Automatic central lubrication
- Machine light
- Indicator light
- Machine feet with levelling screws
- Tool box with operating tools
- Documentation
- Electrical equipment 400 V / 50 Hz
- CE standard

SPECIAL EQUIPMENT

- Higher price for Heidenhain TNC 640
- Higher price for Siemens 840
- Hinged belt chip conveyor with carriage
- Cooling through the spindle, 15 bar, for 12,000 rpm
- Surcharge for 18,000 rpm
- Higher price for paper filter system with separate tank for option Cooling through the spindle, with 20 bar instead of cartridge

- Radio measuring probe system OMP600+OTS SK40
- Extended operating functions
- Hard metal ball with magnetic foot from Renishaw, D=19 mm

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.