

CNC VERTICAL MACHING CENTRE

Series WMC 1100C/1300C

SPECIAL EDITION /

WMC 1100 DYNAMIC EDITION



HIGHLIGHTS

- Z-axis flat guide
- Stable linear guides
- X-/Y axis linear guides
- Dynamic table movement
- Stronger motor with 10,000 rpm spindle speed
- Compact design
- Tool changer for 30 tools

TECHNICAL DATA AT A GLANCE

Maschinentyp	 mm		 min ⁻¹	 kg	 kW
WMC 1100 C	1.100x650x600	30	SK40: 1 - 10.000	6.500	30
WMC 1300 C	1.300x700x700	30	SK40: 1 - 10.000	10.000	30
WMC 1100	1.100x650x600	24	SK40: 1 - 8.000	8.000	13/9

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 1100C/WMC 1300C SPECIAL EDITION / WMC 1100 DYNAMIC EDITION

WMC 1100C with SIEMENS 828 D with Shopmill **Order no 520185S**

WMC 1300C with SIEMENS 828 D with Shopmill **Order no. 520190S**

WMC 1100 DYNAMIC with SIEMENS 828 D with Shopmill **Order no. 520100D**



ALL HIGHLIGHTS AT A GLANCE

- High-precision motors are directly connected to the ball screw
- Powerful milling performance thanks to flat guides
- Optimal accessibility thanks to 2 doors and crane loading
- Good chip removal Chip conveyor at the front
- High flexibility thanks to large work table
- Low investment costs thanks to complete package
- Easy automation thanks to side doors

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 WMC 1100C/WMC 1300C

Table

- Clamping surface 1,200 x 600 / 1,400 x 700 mm
- T-slots 18 x 5 mm
- Table load 800 / 1,000 kg

Traverse paths

- X-/Y-/Z-axis: 1,100 / 650 / 600 mm / 1,300 / 800 / 700 mm
- Distance spindle nose – table surface
min. 120 mm - max. 720 mm
min. 150 mm - max. 850 mm
- Distance spindle centre – column 650 / 750 mm

Spindle head

- Spindle taper SK 40
- Spindle speed infinitely programmable
Speed range 1-10,000 rpm

Drives and motors

- Spindle motor, digital from Siemens
S6 40% 30 kW / S1 100% 22 kW

Tool

- Automatic tool change in double arm version, tool selection freely selectable
- 30 tool magazine positions
- Tool holder DIN 69871 A SK 40
- Max. tool diameter 80 / 110 mm
- Max. tool weight 8 / 15 kg
- Tool change time 2 sec
- Time from machining to machining 4 sec

Automatic feed and rapid traverse

- Feed range X-, Y- and Z-axis
1-20,000 / 1-20,000 / 1-15,000 mm/min
1-5,000 mm/min
- Rapid traverse X-/Y-axis, 36 m/min
- Rapid traverse Z-axis, 14 m/min
- Repeat accuracy, +/- 0.003 mm
- Positioning accuracy +/- 0.005 mm
- Dimensions (LxWxH) 3,400 x 2,700 x 3,600 mm
3,850 x 2,750 x 3,100 mm
- Machine weight 9,500 / 10,000 kg

STANDARD EQUIPMENT WMC 1100C/WMC 1300C

- Full machine enclosure with doors
- Automatic tool changer in double-arm version, 30 stations
- Stronger motor 22 / 30 kW
- Spindle oil cooler
- Ring cooling nozzles in spindle head, integrated for optimal cooling water supply on the tool
- Coolant gun
- Air gun
- Preparation for chip conveyor
- Flat guides Turcite B counter-coated, Z axis
- Flat guides with castors, X-/Y-axis
- 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
- 4550 with chip conveyor
- Electrical equipment 400 V / 50 Hz

SPECIAL EQUIPMENT WMC 1100C/WMC 1300C

- Touch panel 15" / 15.6"
- Cooling through the spindle, 30 bar
- Hinged belt chip conveyor
- 30 atc (WMC 1300 C)

DETAIL PICTURES



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>

We reserve the right to make design changes in the course of technical improvements. Illustrations, dimensions and weights are not binding.

TECHNICAL DATA WMC 1100 DYNAMIC

Table

- Clamping surface 1.300 x 600 mm
- T-slots 18 x 5 mm
- Table load 1,000 kg

Traverse paths

- X-/Y-/Z-axis: 1,100 / 650 / 600 mm
- Distance spindle nose – table surface
min. 175 - max. 780 mm
- Distance spindle centre – column 700 mm

Spindle head

- Spindle taper SK 40
- Spindle speed infinitely programmable
Speed range 1-8,000 rpm

Drives and motors

- Spindle motor, digital from Siemens
S6 40% 13 kW / S1 100% 9 kW

Tool

- Automatic tool change in double arm version, tool selection freely selectable
- 24 tool magazine positions
- Tool holder DIN 69871 A SK 40
- Max. tool diameter 80 mm
- Max. tool weight 8 kg
- Tool change time 2 sec
- Time from machining to machining 4 sec

Automatic feed and rapid traverse

- Feed range X-/Y-/Z-axis 1-10,000 mm/min
- Rapid traverse X-/Y-/Z-axis,
20.000 / 20.000 / 15.000 mm/min
- Repeat accuracy, +/- 0.003 mm
- Positioning accuracy +/- 0.005 mm
- Dimensions (LxWxH) 3.180 x 2.680 x 3.100 mm
- Machine weight 8,000 kg

STANDARD EQUIPMENT WMC 1100 DYNAMIC

- Full machine enclosure with doors
- Automatic tool changer in
double-arm design with 24 stations
- 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-off device
- Indicator light
- Machine light
- Machine feet with levelling screws
- Tool box with operating tools
- Documentation
- CE standard
- Electrical equipment 400 V / 50 Hz.

SPECIAL EQUIPMENT WMC 1100 DYNAMIC

- Direct drive spindle speed 12,000 rpm.
- Surcharge for more powerful motor 28/42 kW
- Cooling through the spindle 20 bar
- 15" touch panel
- Spiral 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-vertical-machining-centers>

We reserve the right to make design changes in the course of technical improvements. Illustrations, dimensions and weights are not binding.