



CNC PORTAL MACHINING CENTRE WPC 3022/4022/5022/6022 with CNC-control SIEMENS

WPC 3022/4022/5022/6022 Order no. 520846/520847/520840/520848



ALL HIGHLIGHTS AT A GLANCE

- Portal construction
- Extremely large transverse travel
- Processing of wide and flat parts

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

TECHNICAL DATA

Table

- Size 3,000 x 1,800 / 4,000 x 1,800 / 5,000 x 1,800 / 6,000 x 1,800 mm
- T-slots (number/size/distance) 22 / 9 / 200 mm
- Load 10,000 / 12,000 / 16,000 / 18,000 kg

Traverse paths

- Table movement X-axis
3,200 / 4,200 / 5,200 / 6,200 mm
- Portal, Y-axis, 2,200 mm
- Vertical movement, Z-axis, 1,000 mm
- Distance spindle – table surface
min./max. 310-1,310 mm
- Distance between columns 2,230 mm

Spindle head

- Spindle taper SK 50 DIN 69871
- Infinitely programmable speed range
6,000 rpm gearbox

Motors

- Heidenhain / Siemens: Spindle motor
15 / 18.5 kW Automatic feed and rapid traverse
- Feed 1-7,000 mm/min
- Rapid traverse, X-, Y- and Z-axis, 10 / 10 / 10m

Tool

- 24 tool magazine positions
- Max. tool diameter 125 / 220 mm
- Max. tool diameter 350 mm
- Max. tool weight 15 kg
- Tool change time 2.5 sec
- Machine weight: 32,000 / 37,000 / 42,000 /
47,000 kg
- Dimensions (LxWxH):
WPC-3022: 7,705 x 4,650 x 5,167 mm
WPC-4022: 9,900 x 4,650 x 5,167 mm
WPC-5022: 11,840 x 4,650 x 5,167 mm
WPC-6022: 13,900 x 4,650 x 5,170 mm

STANDARD EQUIPMENT

- Belt-driven spindle
- SK 50 with 6,000 rpm
- Automatic double-arm tool changer with 24 positions
- 2 chip conveyors (screw conveyors) and transverse chain conveyor
- Complete coolant system
- Flat guide in the Z-axis
- Linear guides in the X-/Y-axis, PMI / HIWIN
- Complete electrical equipment 400 V / 50 Hz
- Recirculating ball screws with bearing on both sides in the X-, Y- and Z-axis
- Control indicator light
- Housing with 2 sliding doors and viewing window made of safety glass
- 1 set of adjustable feet with levelling screws
- Toolbox with operating tools
- Documentation for machine and control unit
- CE standard

SPECIAL EQUIPMENT

- Surcharge for SIEMENS 828 high-resolution 15.6-inch screen
- Cooling through the spindle, 20 bar, with cartridge
- Air through the spindle
- Lower price for SK40 8,000 rpm instead of SK50
- Higher price for SK 50 / 8,000 rpm
- Stronger motor 22 / 28 kW
- Manual head 90° – SK 40
- Extension of Z-axis travel up to 1,250 mm
- Tool changer for 32 stations for SK 50
- Tool changer for 40 stations for SK 50
- Gearbox Stober torque
- Full enclosure

DETAIL PICTURES



Overall view of the machine

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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.