

SAM 023730**WILLEMIN MACODEL Type 508S2**

Group	Vertical machining center
Manufacturer	WILLEMIN MACODEL
Type	508S2
Controller CNC	Fanuc 31i-B5
Year	2019



Number of axis total	6
Rotary table:diameter	180 mm
Table load max.	15 kg
Longitudinal travel (X-axis)	400 mm
Transversal travel (y-axis)	200 mm
Vertical travel (z axis)	385 mm
W axis	°
B axis	°
B axis swivelling range	-100 / +30 °
Resolution	0.0001
C axis	°
Resolution	0.0001 °
Table speeds:	
Table speed	200 t/min
stepless	
up to	120 t/min
Holding torque of the table	400 Nm
Tool changer:	
Number of tools	48
Tool diameter max.	50 mm
Diameter with free adjacent pockets	80 mm
Tool lenght	130 mm
Max. tool-weight	1 kg
Time of tool changing	0.8 s
Average chip-to-chip time	3 s
Spindle nose: HSK	E40
Spindle speeds:	
stepless	
from	50 t/min
up to	42000 t/min
Rapid traverse:	60 m/min
Acceleration	10 m/s
Air connect	6 bar
Voltage 50 Hz 3x	400 Volt
Spindle power	10 / 15 kW
Torque max.	8 / 12 Nm
Total power required	35 kVA
Machine's weight about	5000 kg
Overall dimensions machine:	
Length	1870 mm

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Width
Height

2210 mm
22220 mm

Various accessories:

Loading roboter
Coolant system
Tool setter
Touch Probe Renishaw
Tool break control
Lamp
Oil mist extractor
Filter for coolant system
Spindlecooling
Stabilisation coolant temperature
Axis
Automatic central lubrication
Fire extinguishing system
Switch cabinet Air conditioner
Foot pedal
Status light

BLUM 3D type Z-MT
OMP 400

Donaldson DMC-MINI-MMA
Turbo Separator type 10





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