

508S - SIMULTANEOUS 5-AXIS MACHINING CENTRE



5 Axis Machining Centre swivelling Spindle

The 508S machining centre meets the most exacting requirements in terms of milling. For conventional or high-speed machining, this simultaneous 5 to 6-axis machining centre is an ideal solution for milling complex high precision workpieces, ensuring excellent productivity.

APPLICATIONS

- ▶ Watchmaking
- ▶ Jewellery
- ▶ Medical / Orthopaedics
- ▶ Dental
- ▶ Aviation / Aerospace
- ▶ High precision mechanics / micromechanics
- ▶ Industrial moulds

MACHINES

- ▶ Machining from billets
- ▶ Automation

TECHNICAL SUPPORT

We offer a personalised service – from initial feasibility studies to providing support for your machining centre over its life cycle.

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SPECIFICATIONS

LINEAR AXES	X – Y – Z travel	450/200/425 mm
	Max. feed rate	40m/min
	Scale resolution	0,0001 mm (0.1 µm)
POWERED SPINDLE INTEGRATED	Standard interface	HSK-E40
	Power S1/S6	10 kW / 15 kW
	Torque S1/S6	8 Nm / 12 Nm
	Speed	30'000 rpm (42'000 rpm)
SWIVELLING B-AXIS	Drive unit	Torque motor
	Angular movement	-15° to +100°
	Scale resolution	0,0001°
	Max. torque	180 Nm
	Hydraulic maintaining brake	350 Nm
C-AXIS TABLE/DIVIDER	Drive unit	Torque motor
	Angular movement	360°
	Scale resolution	0,001°
	Max. torque	80 Nm
	Hydraulic maintaining brake	500 Nm
	Max. rotation speed	280 rpm
	Disc Ø	260 mm
	Permissible load	50 kg
TOOL MAGAZINE QUICK CHANGER	Number of tools	48 / 72
	Tool-to-tool changing	0,8 sec
	Chip to chip change	3 sec
	Max. tool Ø	50 mm
	Max. tool Ø with vacant positions	80 mm

COOLANT	Max. tool length	150 mm
	Reservoir capacity	150 l
HYDRAULIC UNIT	Pump capacity	80 l/min 2.3 bar pressure
	Nominal pressure	100 bar
NUMERICAL CONTROL	FANUC	31i-B5
	Heidenhain	iTNC 530

ENTREPRISE

History
Presentation
Communication
Calendar of events
Worldwide presence
Our expertise

APPLICATIONS

Watchmaking
Aviation / Aerospace
Jewellery
Dental
Medical / Orthopaedics
High precision mechanics /
micromechanics
Industrial moulds

MACHINES

Machining from billets
Machining from bar stock
Frontal turning
Turbine blades
JIG BORING
Automation

SERVICES

Customer's services
Customer's support
Assistance

CONTACT

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