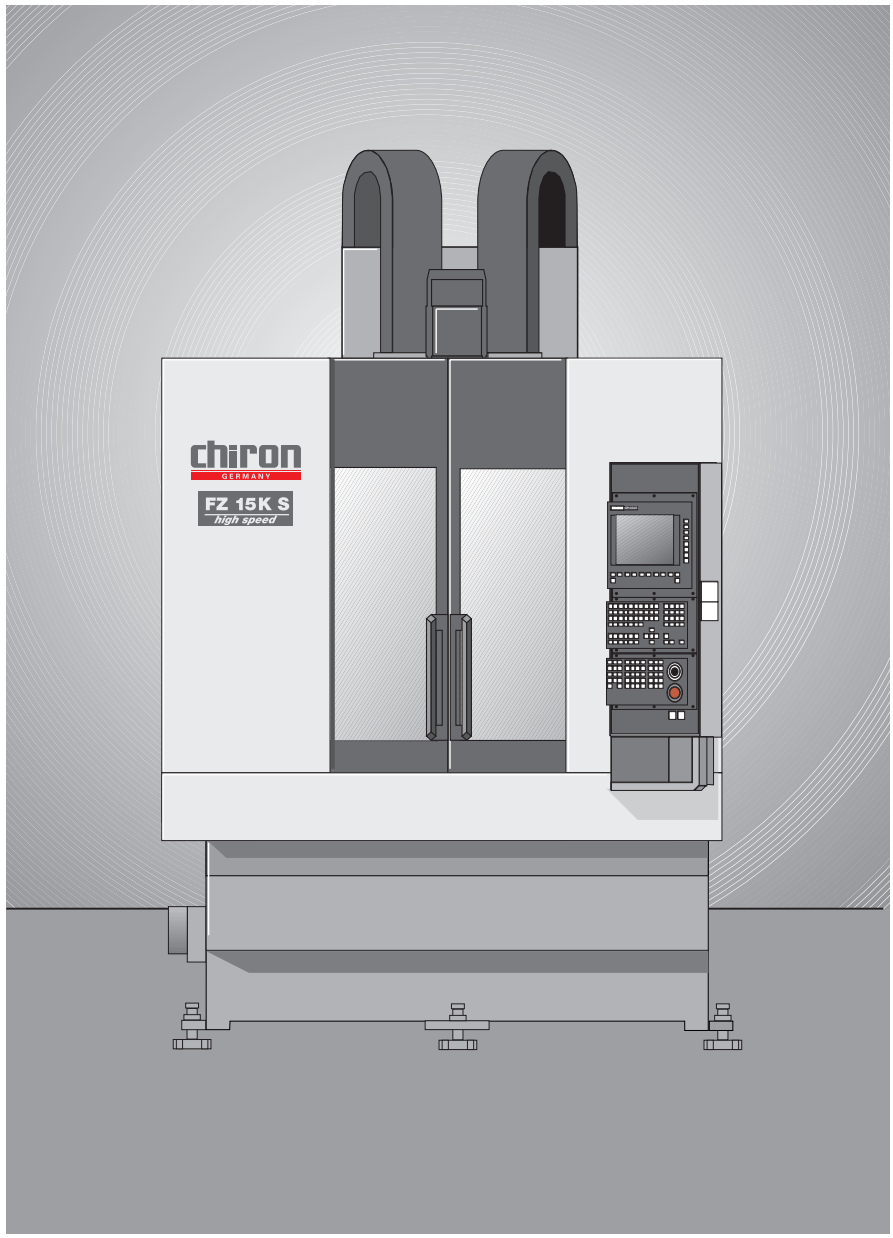
chiron

CNC Machining Centres



Datasheet

FZ 15K S

- HSK-A 63
- Tools 48
- Chip-to-chip 2.4 s
- Spindle speed up to 20 000 rpm
- Rapid up to 60 m/min
- Acceleration up to 1.2 g

Seconds ahead

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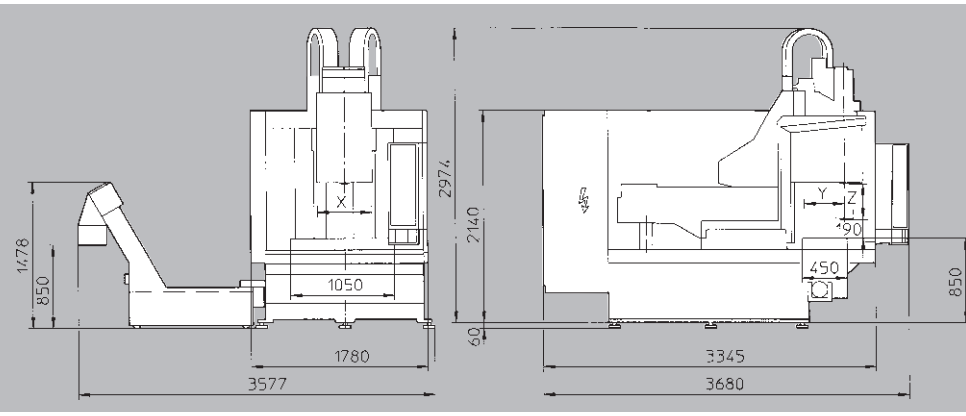
FZ 15K S



Technical data

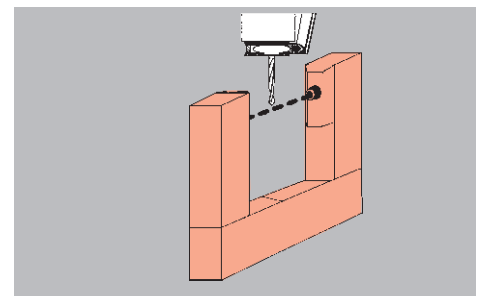
Drilling capacity in ST 60 with HM drill	36 mm
Tapping	M 24
Milling capacity in ST 60	250 cm³/min
Tool storage capacity	48
Tool taper DIN 69893	HSK-A 63
Max. tool diameter	80 mm
If adjacent places are free	125 mm
Max. tool weight	10 kg
Tool change time	approx. 0.9 s
Chip-to-chip time	2.4 s
Spindle drive	14 KW
Infinitely variable speed range	20 - 12 000 rpm
Max. torque	90 Nm
Diameter front sindle bearing	65 mm
Tool clamping	mechanically locked
Distance spindle to column	90 - 495 mm
Distance spindle nose to table surface	190 - 550 mm
Travel X-axis	550 mm
Travel Y-axis	400 mm
Feed force X-axis, Y-axis	5 000 N
Travel Z-axis	360 mm
Feed force Z-axis	10 000 N
Rapid feed rate	40 m/min
Acceleration X-axis	0.5 g
Acceleration Y-axis	1.0 g
Acceleration Z-axis	1.2 g
Fixed table clamping surface	1 050 x 450 mm²
T-Slots	2 x 18 H 12
Reference slot	18 H 8
Table load	500 kg
Chip conveyor, discharge height	850 mm
Coolant device, container capacity	500 l
Total connected power	approx. 19 kVA
Machine weight	approx. 5.0 t
Floor space	approx. 6.6 m²
Air connection	6 bar

Options

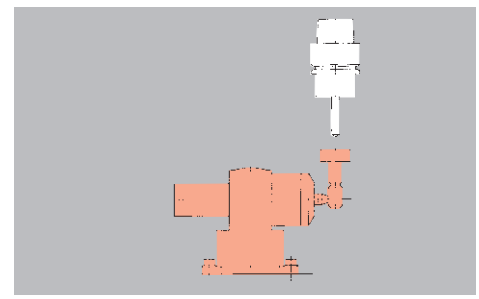
High speed plus version	
Basic machine with speed range	20 - 20 000 rpm
Higher spindel drive	28 kW
Speed range	20 - 12 000 rpm
Max. torque	180 Nm
Drilling capacity in ST 60 with carbide drill	42 mm
Tapping	M 30
Milling capacity in ST 60	500 cm³/min

■ NC rotary table ■ NC rotary table with basic fixture ■ Through the spindle coolant up to 70 bar ■ Full enclosure with extraction ■ Automatic doors ■ Dry machining with minimal lubrication ■ Thermocontrol ■ Probes for workpiece and tool measurement ■ Tool breakage monitoring and tool life management ■ Direct path measuring system ■ Multi-spindle head adaptor ■ Workpiece transport and magazine equipment

■ **Chiron-Laser-Control**



■ **Stationary 3-D probe system**



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