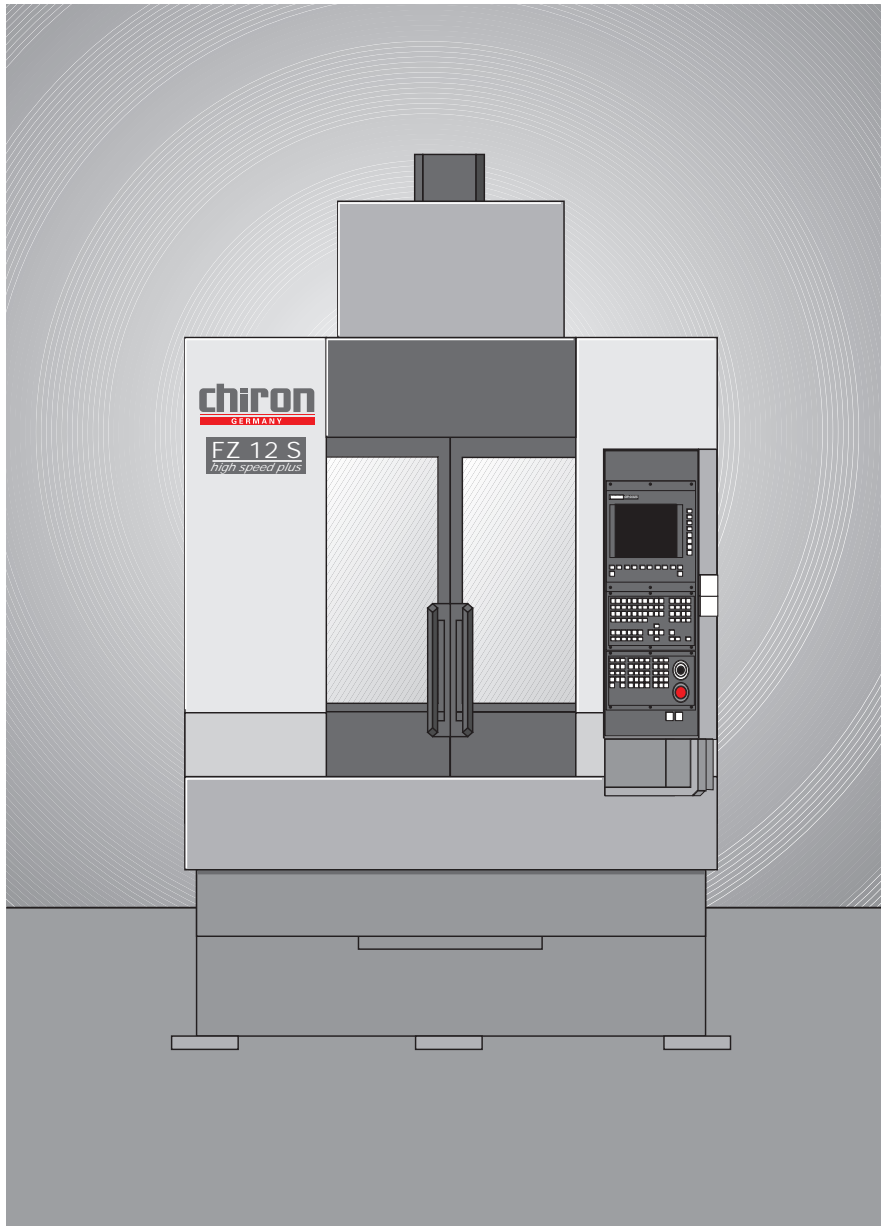


# chiron

## CNC Machining Centres



Datasheet

**FZ 12 S**

**high speed plus**

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HSK-A 63

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Tools 20

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Chip-to-chip 1.9 s

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Spindle speed up to 20 000 rpm

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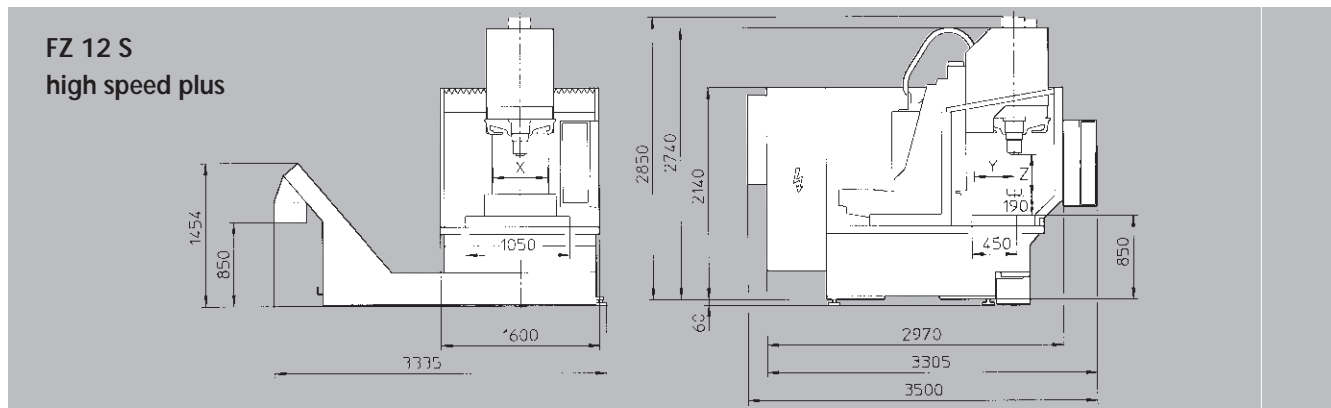
Rapid 60 m/min

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Acceleration 1 g

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**Seconds  
ahead**



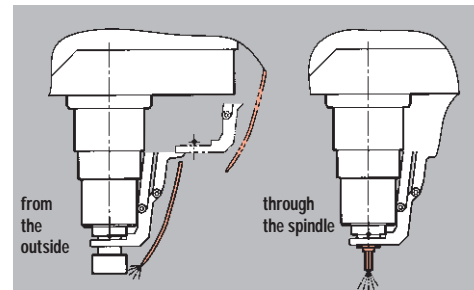
**FZ 12 S**  
**high speed plus**

## Technical data

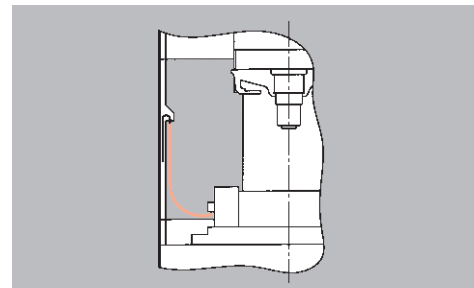
Drilling capacity in ST 60 with HM drill	36 mm
Tapping	M 24
Milling capacity in ST 60	250 cm <sup>3</sup> /min
Tool storage capacity	20
Tool taper DIN 69893	HSK-A 63
Max. tool diameter	65 mm
If adjacent places are free	100 mm
Max. tool weight	2.5 (5) kg
Tool change time	approx. 0.9 s
Chip-to-chip time	approx. 1.9 s
Spindle drive AC	14 kW
Infinitely variable speed range	20 - 20 000 rpm
Max. torque	90 Nm
Diameter front spindle bearing	65 mm
Tool clamping	mechanically locked
Distance spindle to column	435 mm
Distance spindle nose to table surface	190 - 615 mm
Travel X-axis	550 mm
Travel Y-axis	400 mm
Feed force X-axis, Y-axis	5 000 N
Travel Z-axis	425 mm
Feed force Z-axis	10 000 N
Rapid feed rate	60 m/min
Fixed table clamping surface	1 050 x 450 mm <sup>2</sup>
T-Slots	2 x 18 H 12
Reference slot	18 H 8
Table load	500 kg
Coolant through spindle	20 bar
Chip conveyor, discharge height	850 mm
Coolant device, container capacity	500 l
Full enclosure	
Thermocontrol	
Total connected power	approx. 30 kVA
Machine weight	approx. 6.0 t
Floor space	approx. 7.7 m <sup>2</sup>
Air connection	6.0 bar

## Options

■ Dry machining with minimal lubrication



■ Electric-, hydraulic- and pneumatic connections are integrated in the side wall



- NC rotary table with basic fixture
- Extraction
- Automatic doors
- Chiron-laser-control
- Through the spindle coolant up to 70 bar
- NC rotary table
- Workpiece transport and hopper equipment
- Tool measurement and management
- Drill fracture control and tool life management
- Direct path measuring system
- Multi-spindle head adaptor