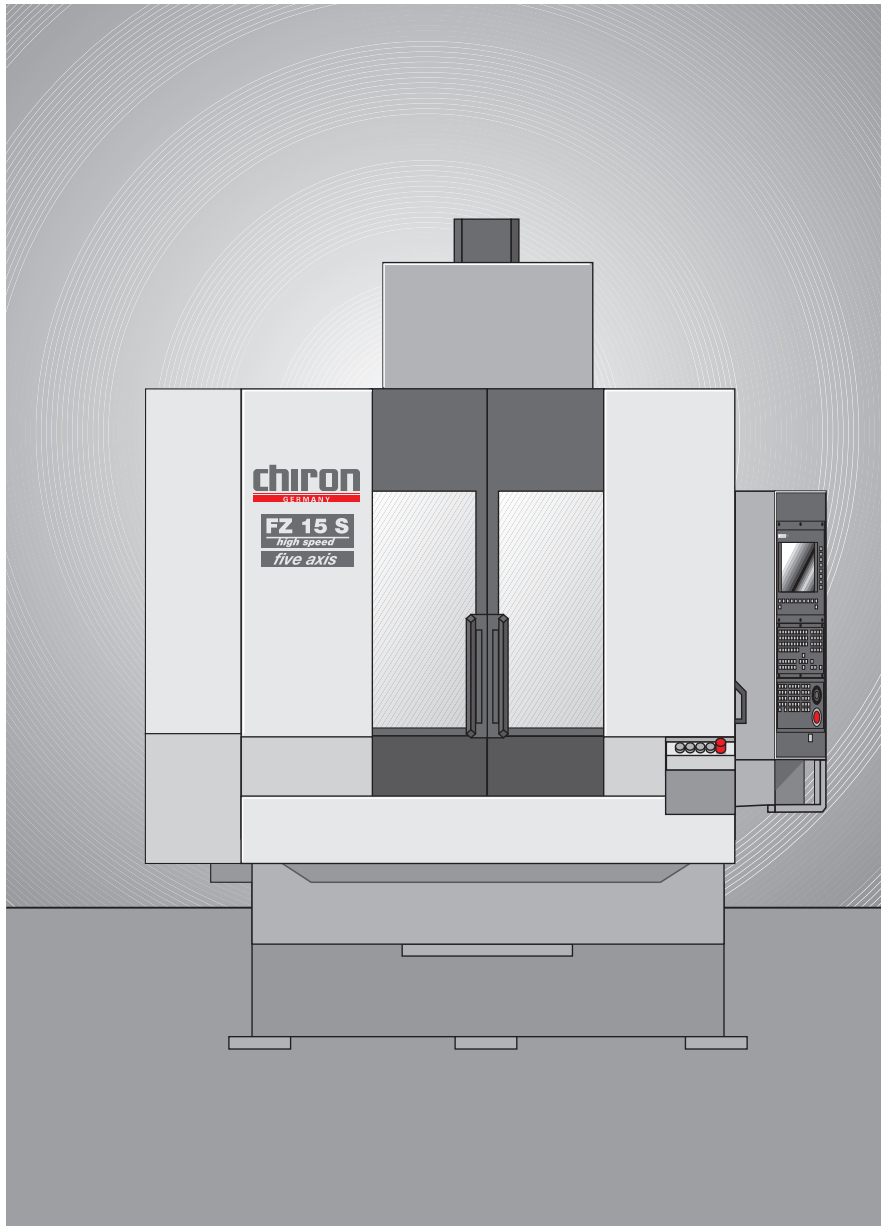


chiron

CNC Machining Centres



Datasheet

FZ 15 S

five axis

ISO 40

Tools 20

Chip-to-chip 1.9 s

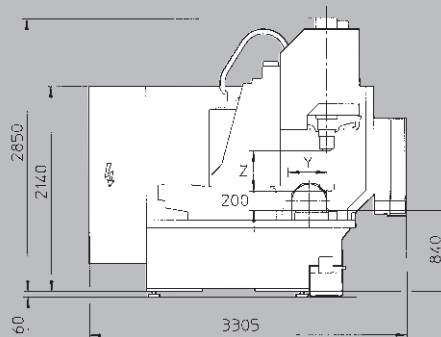
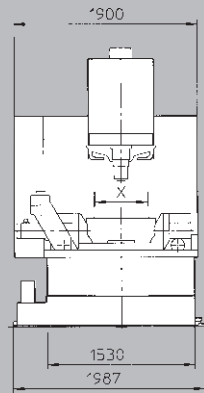
Spindle speed up to 20 000 rpm

Rapid up to 60 m/min

Acceleration up to 1.0 g

Seconds ahead

FZ 15 S
five axis



Technical data

Drilling capacity in ST 60 with HM drill	36 mm
Tapping	M 24
Milling capacity in ST 60	250 cm ³ /min
Tool storage capacity	20
Tool taper DIN 69871	ISO 40
Max. tool diameter	65 mm
If adjacent places are free	150 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	14 kW
Infinitely variable speed range	20 - 10 500 rpm
Max. torque	90 Nm
Diameter front spindle bearing	70 mm
Tool clamping	8000 N
Distance spindle to column	435 mm
Distance spindle nose to table surface	200 - 625 mm
Travel X-axis	550 mm
Travel Y-axis	400 mm
Feed force X-axis, Y-axis	5000 N
Travel Z-axis	425 mm
Feed force Z-axis	10000 N
Rapid feed rate	40 m/min
Acceleration	0.5 g
NC-tilting rotary table	+/- 100°
Face plate diameter	280 mm
Dowel and bolt hole pattern	M 16 x Ø 15 ^{H7} x 50 mm
Max. transport load	400 kg
Speed A/B axes	25/16 rpm
Direkt path measuring system on 4 th and 5 th axes	+/- 15" // +/- 8"
Chip conveyor, discharge height	850 mm
Coolant device, container capacity	250 l
Total connected power	approx. 27 kVA
Machine weight	approx. 4.5 t
Floor space	approx. 5.6 m ²
Air connection	6 bar

Options

High speed version	
Basic machine with acceleration	1 g
Rapid feed rate	60 m/min
Speed range	20 - 12 000 rpm
High speed plus version	
Basic machine with acceleration	1 g
Rapid feed rate	60 m/min
Speed range	20 - 20 000 rpm
Tool taper DIN 69 893	HSK-A 63
Max. tool dia. if adjacent places are free	100 mm
Full enclosure	
Total connected power	approx. 30 KVA
Machine weight	approx. 6.5 t
Higher spindle drive	
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 cm ³ /min

- 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
- Chiron-laser-control
- Multi-spindle head adaptor
- Tool taper HSK-A 63
- Workpiece transport and magazine equipment
- Stationary 3-D probe system

- Face plate with adapter for SK or HSK

