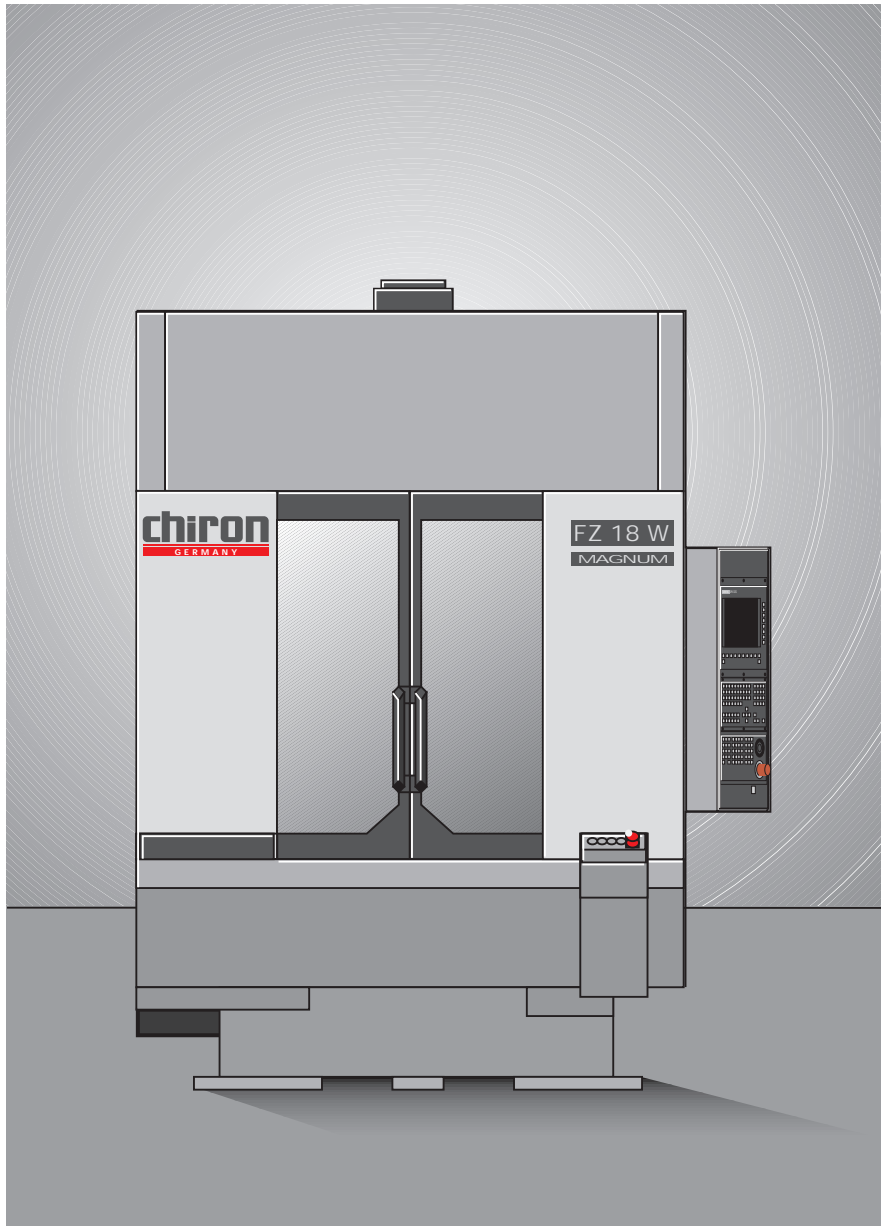


chiron

CNC Machining Centres



Datasheet

FZ 18 W

Magnum

ISO 40

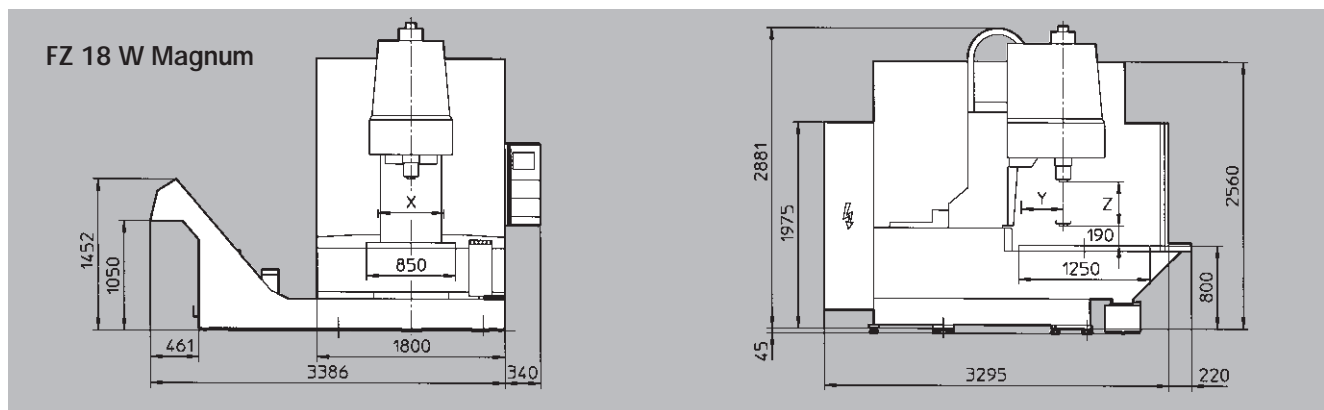
Tools 20/36

Chip-to-chip 2.4 s/3.5 s

Spindle speed up to 10 500 rpm

Rapid 30 m/min

**Seconds
ahead**

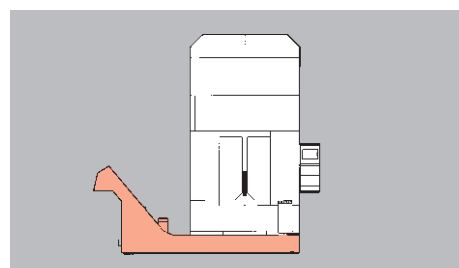
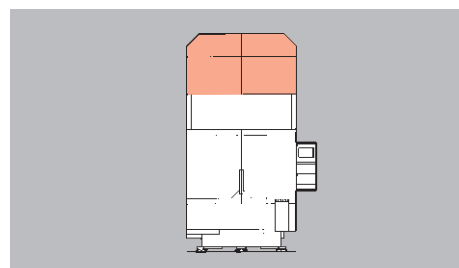


Technical data

Drilling capacity in ST 60 with carbide drill	42 mm	
Tapping	M 30	
Milling capacity in ST 60	300 cm ³ /min	360 cm ³ /min
Tool storage capacity	20	36
Tool taper ISO 7388	ISO 40	ISO 40
Tool diameter	65 mm	75 mm
If adjacent places are free	180 mm	105 mm
Max. tool weight	5 (8) kg	8 (12) kg
Tool change time	approx. 0.9 s	approx. 1.5 s
Chip-to-chip time	approx. 2.4 s	approx. 3.5 s
Spindle drive	18 kW	
Infinitely variable speed range	20 - 7 100 rpm	
Max. torque	140 Nm	
Diameter front spindle bearing	70 mm	
Tool clamping	mechanically locked	
Distance spindle to column	435 mm	415 mm
Distance spindle nose to table surface	190 - 615 mm	
Travel X-axis	630 mm	
Travel Y-axis	400 mm	
Feed force X-axis, Y-axis	5 000 N	8 000 N
Travel Z-axis	425 mm	
Feed force Z-axis	10 000 N	
Rapid feed rate	30 m/min	
Workpiece change setup	0°/180°	
Mounting surface	2 x 850 x 470 mm ²	
Dowel and bolt hole pattern	M 16 x Ø 15 ^{HT} x 50 mm	
Workpiece change time	approx. 4.0 (7.0) s	
Max. transport load per side	250 (400) kg	
Chip conveyor, discharge height	1 050 mm	
Coolant device, container capacity	400 l	
Full enclosure	illuminated	
Total connected power	approx. 20 kVA	
Machine weight	approx. 5 t	
Floor space	approx. 6 m ²	
Air connection	6 bar	

Options

- Full enclosure with extraction
- Automatic doors
- Chip conveyor with high pressure coolant, coolant through spindle up to 70 bar



Increased speed range	20 - 10 500 rpm
Max. torque	140 Nm
Spindle drive AC	18 kW
Higher spindle drive AC	26 kW
Speed range	20 - 7 100 rpm/alt. 10 500 rpm
Max. torque	300 Nm
Travel z-axis	630 mm

- NC rotary table with basic fixture
- Chiron-laser-control
- NC rotary table
- Workpiece transport and hopper equipment
- Probe, tool measurement and management
- Drill fracture control and tool life management
- Direct path measuring system
- Tool taper HSK-A 63
- Multi-spindle head adaptor
- Thermocontrol