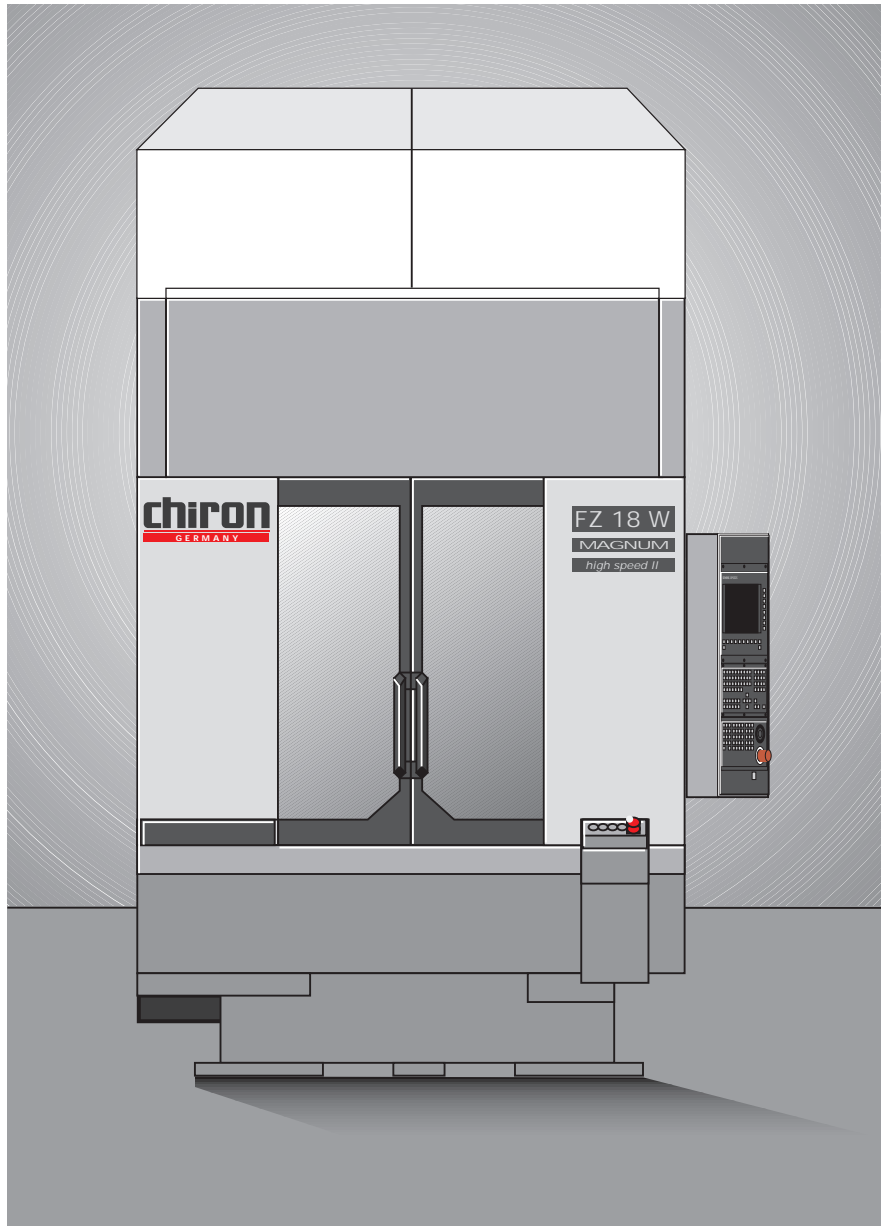


# chiron

## CNC Machining Centres



### Datasheet

**FZ 18 W Magnum**

**high speed II**

15000 rpm in approx. 1.0 s

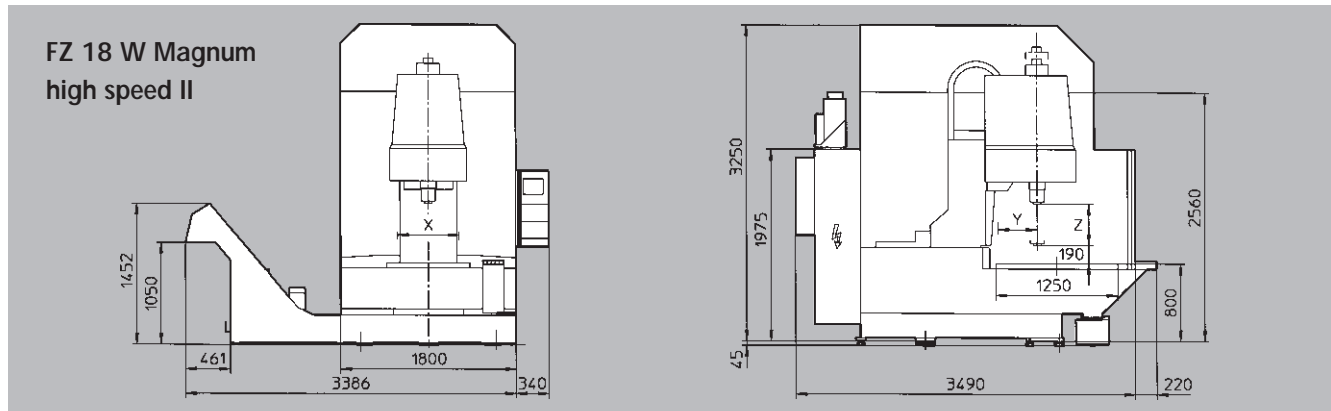
40 m/min in 0.16 s

Through tool coolant up to 70 bar

Deep hole drilling 30 x dia.

without peck drilling

### Seconds ahead

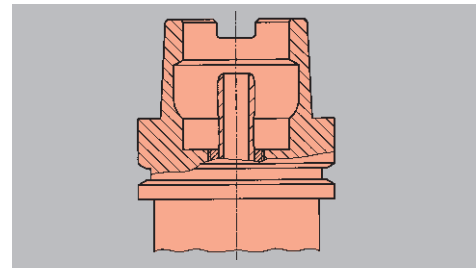


### Technical data

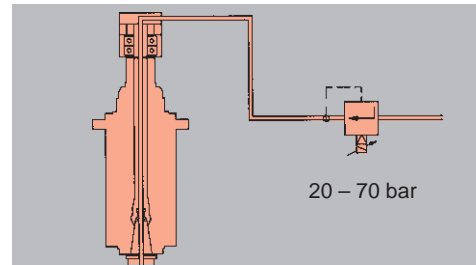
Drilling capacity in ST 60 with HM drill	36 mm	
Tapping	M 24	
Milling capacity in ST 60	250 cm <sup>3</sup> / min	
Tool storage capacity	20	36
Tool taper ISO 7388	ISO 40	ISO 40
Max. tool diameter	65 mm	75 mm
If adjacent places are free	180 mm	105 mm
Max. tool weight	5 (8) kg	8 (12) kg
Tool change time	approx. 0.9 s	approx. 1.5 s
Chip-to-chip time	approx. 2.4 s	approx. 2.9 s
Spindle drive AC	14 kW	
Infinitely variable speed range	20 - 15000 rpm	
Max. torque	90 Nm	
Diameter front spindle bearing	65 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	8000 N	
Travel Z-axis	425 mm	
Feed force Z-axis	10000 N	
Rapid feed rate	40 m / min	
Workpiece change setup	0° / 180°	
Mounting surface	1250 x 850 x 470 mm <sup>2</sup>	
Dowel and bolt hole pattern	M16 x Ø 15 <sup>H7</sup> x 50 mm	
Workpiece change time	approx. 4.0 (7.0) s	
Max. transport load per side	250 (400) kg	
Coolant through spindle	70 bar	
Chip conveyor, discharge height	1050 mm	
Coolant device, container capacity	500 l	
Full enclosure	illuminated	
Thermocontrol		
Total connected power	approx. 30 kVA	
Machine weight	approx. 8.5 t	
Floor space	approx. 7 m <sup>2</sup>	
Air connection	6 bar	

### Options

- Tool taper  
 HSK-A 63  
 DIN 69893



- Coolant through main spindle from 20 to 70 bar, with 8 programmable pressure stages



### Extraction for full enclosure

Multi spindle head adaptor max. dia.	180 mm	160 mm
Max. weight	8 kg	12 kg
Travel Z-axis	630 mm	

- Chiron-laser-control
- Automatic doors
- NC rotary table
- Workpiece transport and hopper equipment
- Probe, tool measurement and management
- Drill fracture control and tool life management
- Direct path measuring system