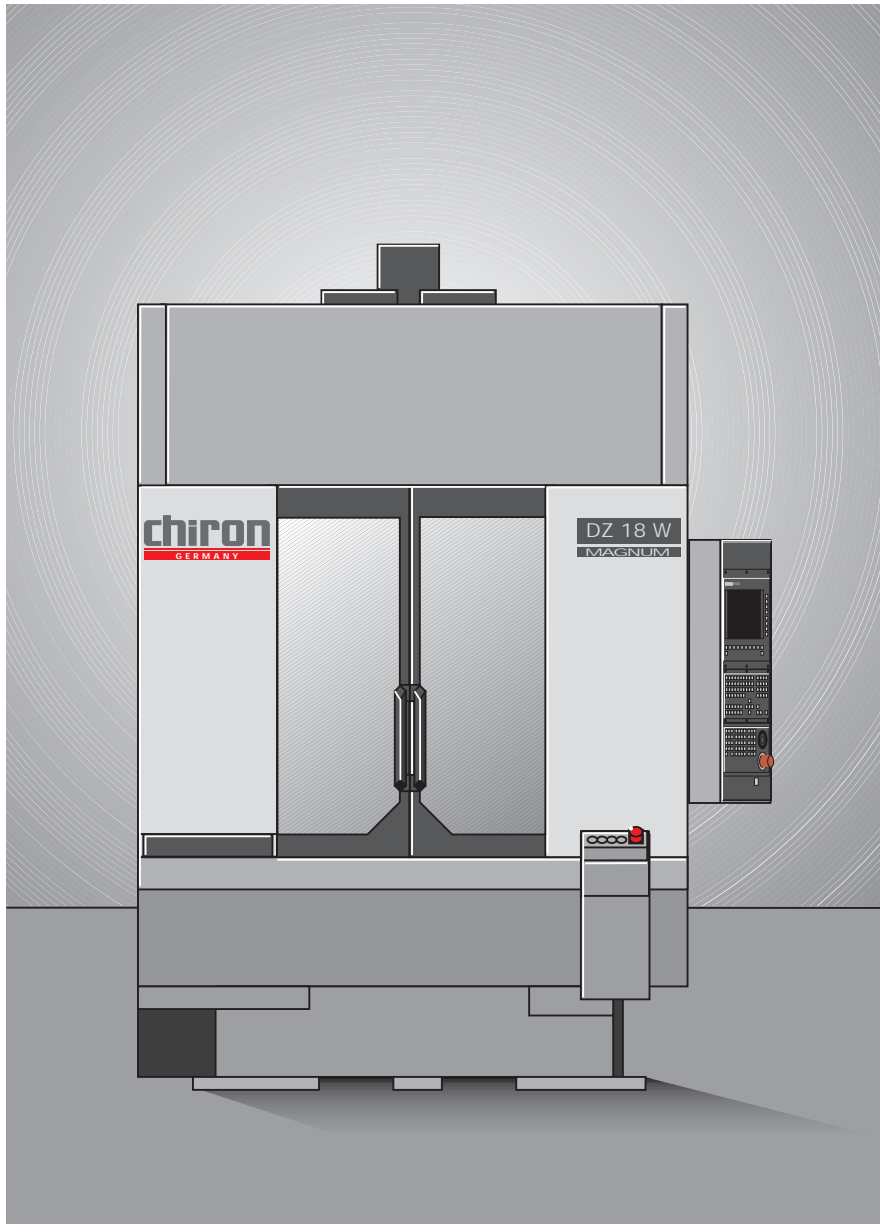


chiron

CNC Machining Centres



Datasheet

DZ 18 W

Magnum

ISO 40

Tools 2 x 12/24/36

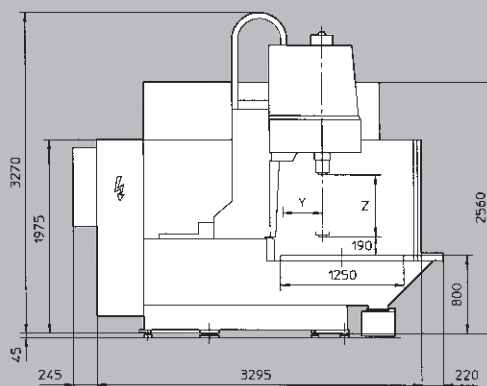
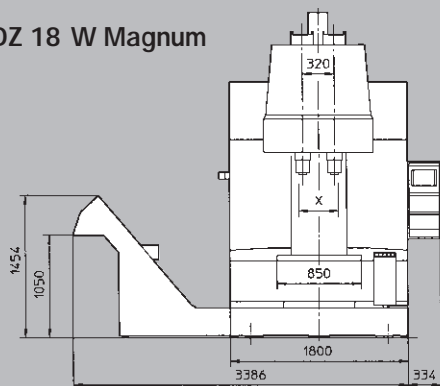
Chip-to-chip 2.4 s/2.9 s

Spindle speed up to 10 500 rpm

Rapid 30 m/min

**Seconds
ahead**

DZ 18 W Magnum

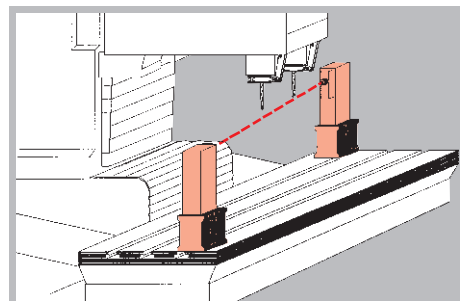


Technical data

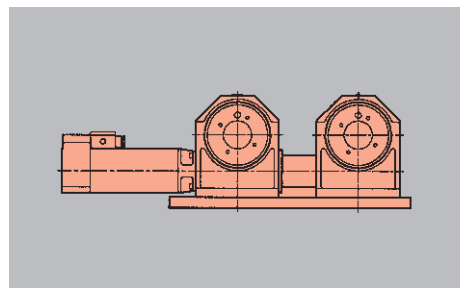
Drilling capacity in ST 60 with carbide drill	2 x 35 mm	
Tapping	2 x M 22	
Milling capacity in ST 60	2 x 150 cm ³ /min	
Tool storage capacity	2 x 12	2 x 24/36
Tool taper ISO 7388	ISO 40	ISO 40
Max. tool diameter	65 mm	78 mm
If adjacent places are free dia.	180 mm	160 mm
Max. tool weight	5 (8) kg	5 (8) kg
Tool change time	approx. 0.9 s	approx. 1.0 s
Chip-to-chip time	approx. 2.4 s	approx. 2.9 s
Spindle drive	2 x 9.5 kW	
Infinitely variable speed range	20 - 7 100 rpm	
Max. torque	2 x 60 Nm	
Diameter front spindle bearing	70 mm	
Tool clamping	mechanically locked	
Distance spindle to column	435 mm	
Distance spindle nose to table surface	190 - 820 mm	
Spindle clearance in X	320 mm	
Travel X-axis	400 mm	
Travel Y-axis	400 mm	
Feed force X-axis, Y-axis	5 000 N	
Travel Z-axis	630 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 ^{H7} 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. 6.3 m ²	
Air connection	6 bar	

Options

■ Chiron-laser-control system for tool fracture control, tool measurement and temperature compensation



■ 2-axes NC rotary table



Increased speed range	20 - 10 500 rpm
Max. torque	2 x 60 Nm
Spindle drive AC	2 x 9.5 kW
Higher spindle drive AC	2 x 18 kW
Speed range	20 - 7 100 rpm
Max. torque	2 x 140 Nm
Higher spindle drive with increased speed range	20 - 10 500 rpm
Max. torque	2 x 140 Nm

- NC rotary table with basic fixture
- Full enclosure with extraction
- Automatic doors
- Through the spindle coolant up to 70 bar
- 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