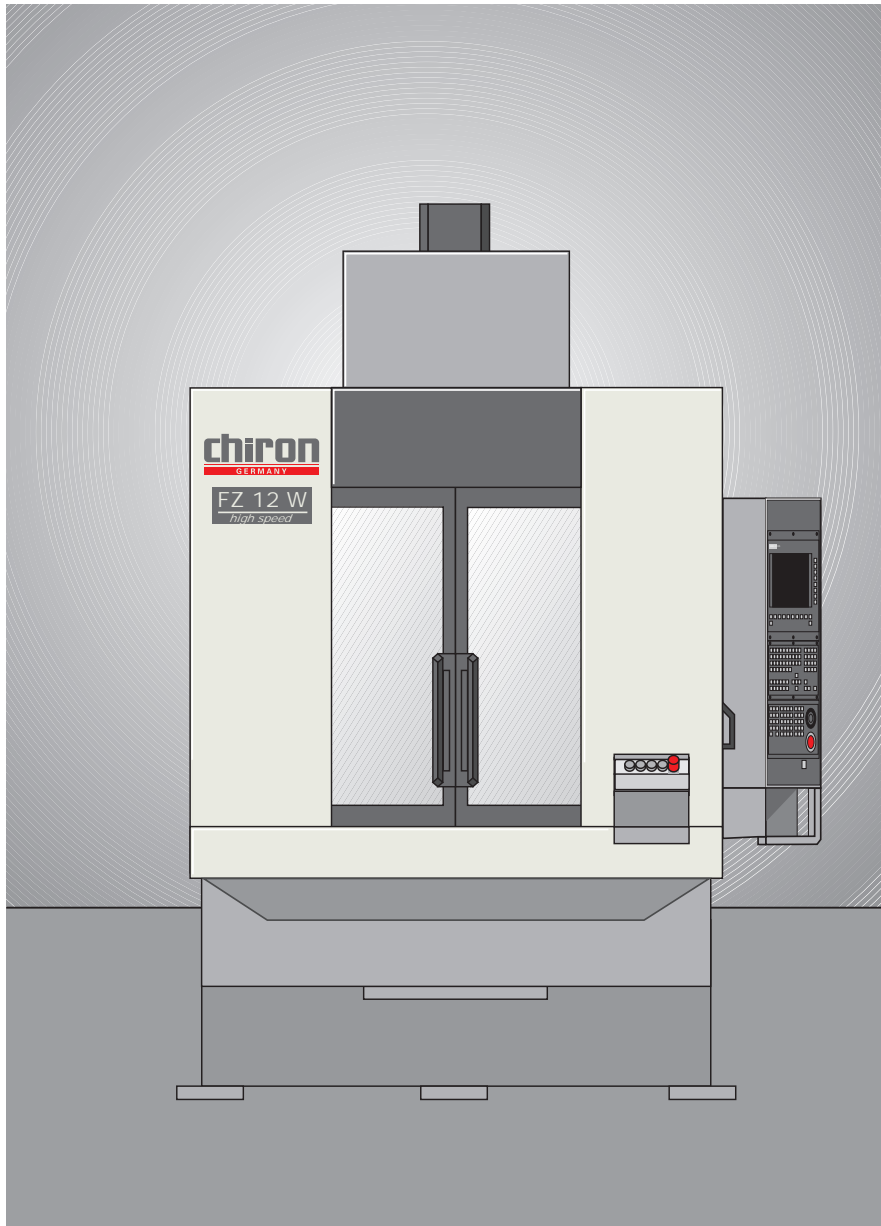


chiron

CNC Machining Centres



Datasheet

FZ 12 W

high speed

ISO 40

Tools 20

Chip-to-chip 1.9 s

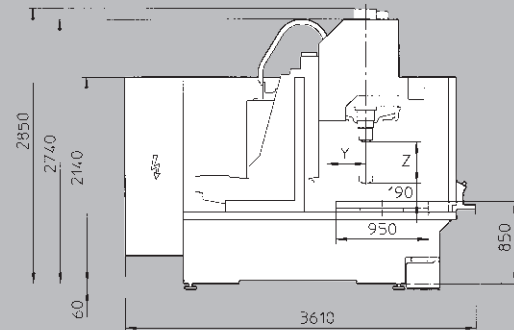
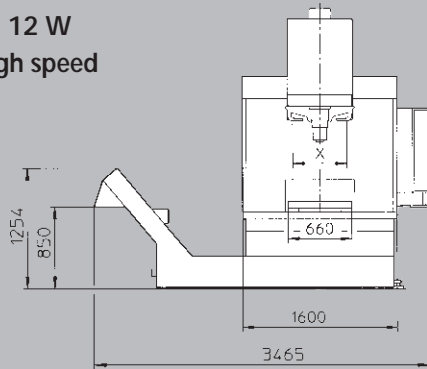
Spindle speed up to 12 000 rpm

Rapid 60 m/min

Acceleration 0.5 g

**Seconds
ahead**

**FZ 12 W
high speed**

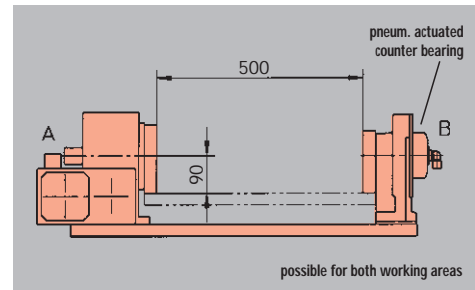


Technical data

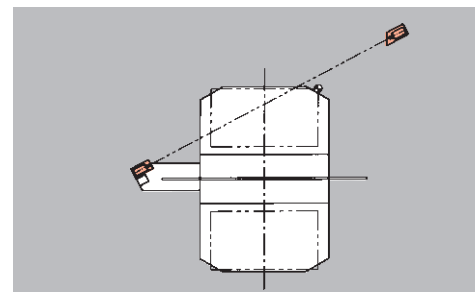
Drilling capacity in ST 60 with HM drill	42 mm
Tapping	M 30
Milling capacity in ST 60	300 cm ³ / min
Tool storage capacity	20
Tool taper ISO 7388	ISO 40
Max. tool diameter	65 mm
If adjacent places are free	150 mm
Max. tool weight	2.5 (5) kg
Tool change time	approx. 0.9 s
Chip-to-chip time	approx. 1.9 s
Spindle drive AC	18 KW
Infinitely variable speed range	20 - 12 000 min ⁻¹
Max. torque	140 Nm
Diameter front spindle bearing	70 mm
Tool clamping	8 000 N
Distance spindle to column	435 mm
Distance spindle nose to table surface	190 - 615 mm
Travel X-axis	550 mm
Travel Y-axis	300 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
Workpiece change setup with speed control	0°/180°
Mounting surface	2 x 660 x 350 mm ²
Dowel and bolt hole pattern	M 16 x ø 15 ^{HT} x 50 mm
Workpiece changing time	approx. 2.4 s
Max. transport load per side	100 (200) kg
Chip conveyor, discharge height	850 mm
Coolant device, container capacity	500 l
Total connected power	approx. 19 kVA
Machine weight	approx. 5.0 t
Floor space	approx. 5.8 m ²
Air connection	6 bar

New

■ **NC-rotary table with 55 rpm and basic fixture**



■ **Chiron-laser-control for tool breakage control**



- NC rotary table
- NC rotary table with basic fixture
- Connection for hydraulic- and pneumatic-supply with rotary union
- Through the spindle coolant up to 70 bar
- Full enclosure
- Extraction
- Automatic doors
- Dry machining with minimal lubrication
- Thermocontrol
- Probes for workpiece and tool measurement
- Tool breakage monitoring and tool life management
- Chiron-laser-control
- Multi-spindle head adaptor
- Tool taper HSK-A63
- Workpiece transport and magazine equipment
- Direct path measuring system