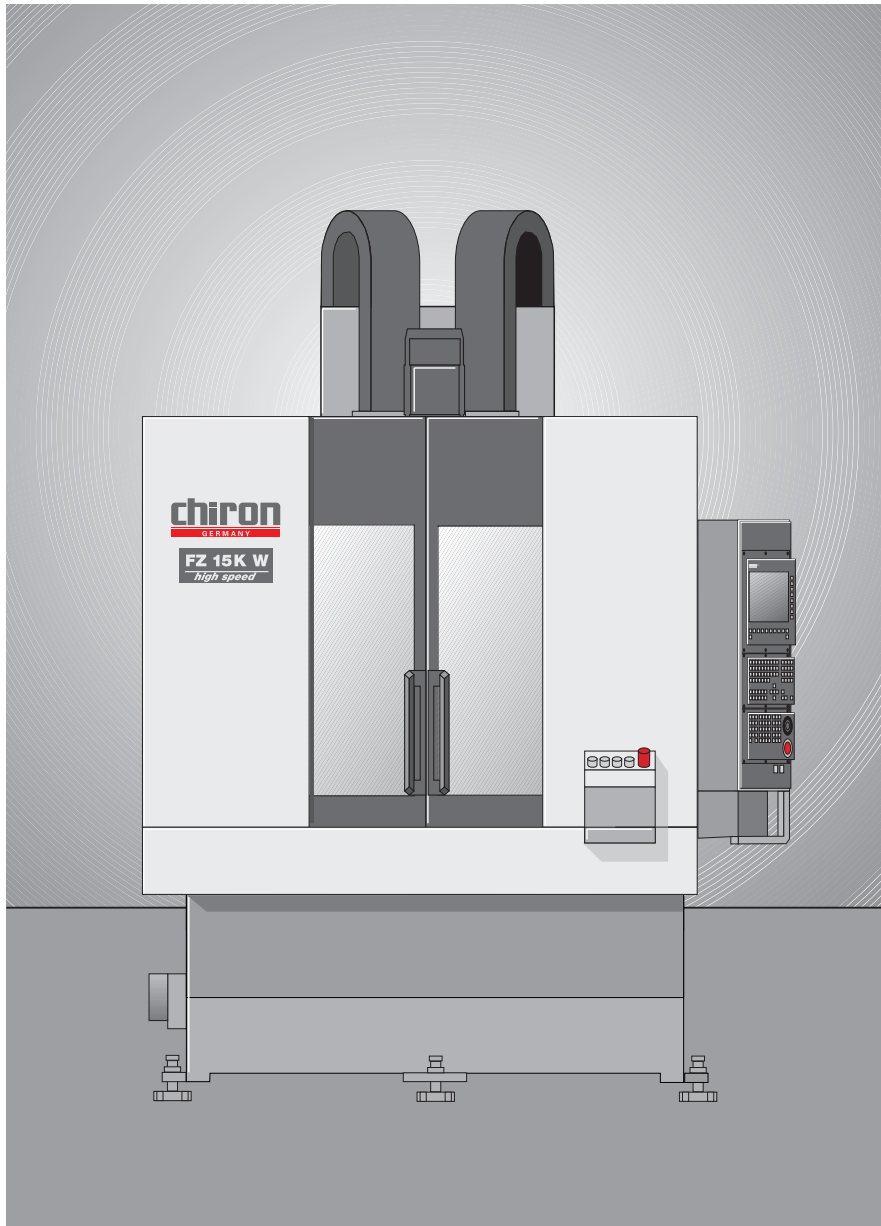


chiron

CNC Machining Centres



Datasheet

FZ 15K W

HSK-A 63

Tools 48

Chip-to-chip 2.4 s

Spindle speed up to 20 000 rpm

Rapid 60 m/min

Acceleration up to 1.2 g

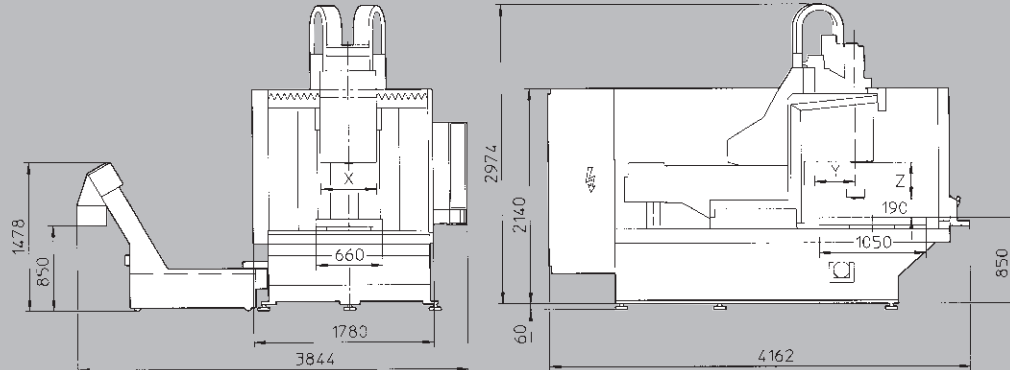
Seconds ahead

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FZ 15K W



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	48
Tool taper DIN 69893	HSK-A 63
Max. tool diameter	80 mm
If adjacent places are free	125 mm
Max. tool length	250 mm
Max. tool weight	10 kg
Tool change time	approx. 0.9 s
Chip-to-chip time	approx. 2.4 s
Spindle drive	14 kW
Infinitely variable speed range	20 - 12 000 rpm
Max. torque	90 Nm
Diameter front spindle bearing	65 mm
Tool clamping	mechanically locked
Distance spindle to column	90 - 495 mm
Distance spindle nose to table surface	190 - 550 mm
Travel X-axis	550 mm
Travel Y-axis	400 mm
Feed force X-axis, Y-axis	5 000 N
Travel Z-axis	360 mm
Feed force Z-axis	10 000 N
Rapid feed rate	60 m/min
Acceleration X-axis	0.5 g
Acceleration Y-axis	1.0 g
Acceleration Z-axis	1.2 g
Workpiece change setup with speed control	0°/180°
Mounting surface	2 x 660 x 400 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	400 kg
Chip conveyor, discharge height	850 mm
Coolant device, container capacity	500 l
Total connected power	approx. 19 kVA
Machine weight	approx. 5.5 t
Floor space	approx. 8.8 m ²
Air connection	6 bar

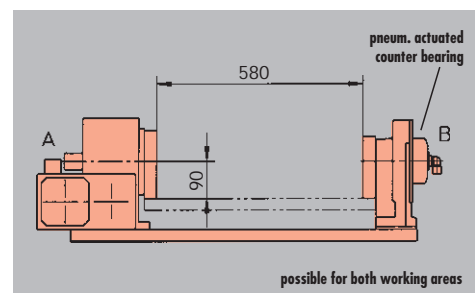
Options

High speed plus version

Basic machine with speed range	20 - 20 000 rpm
Higher spindle drive	28 kW
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

- NC rotary table ■ Connection for hydraulic- and pneumatic-supply with rotary union
- 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 ■ Chiron-laser-control ■ Multi-spindle head adaptor
- Workpiece transport and magazine equipment ■ Stationary 3-D probe system

■ NC-rotary table with 55 rpm and basic fixture



■ Direct path measuring system

