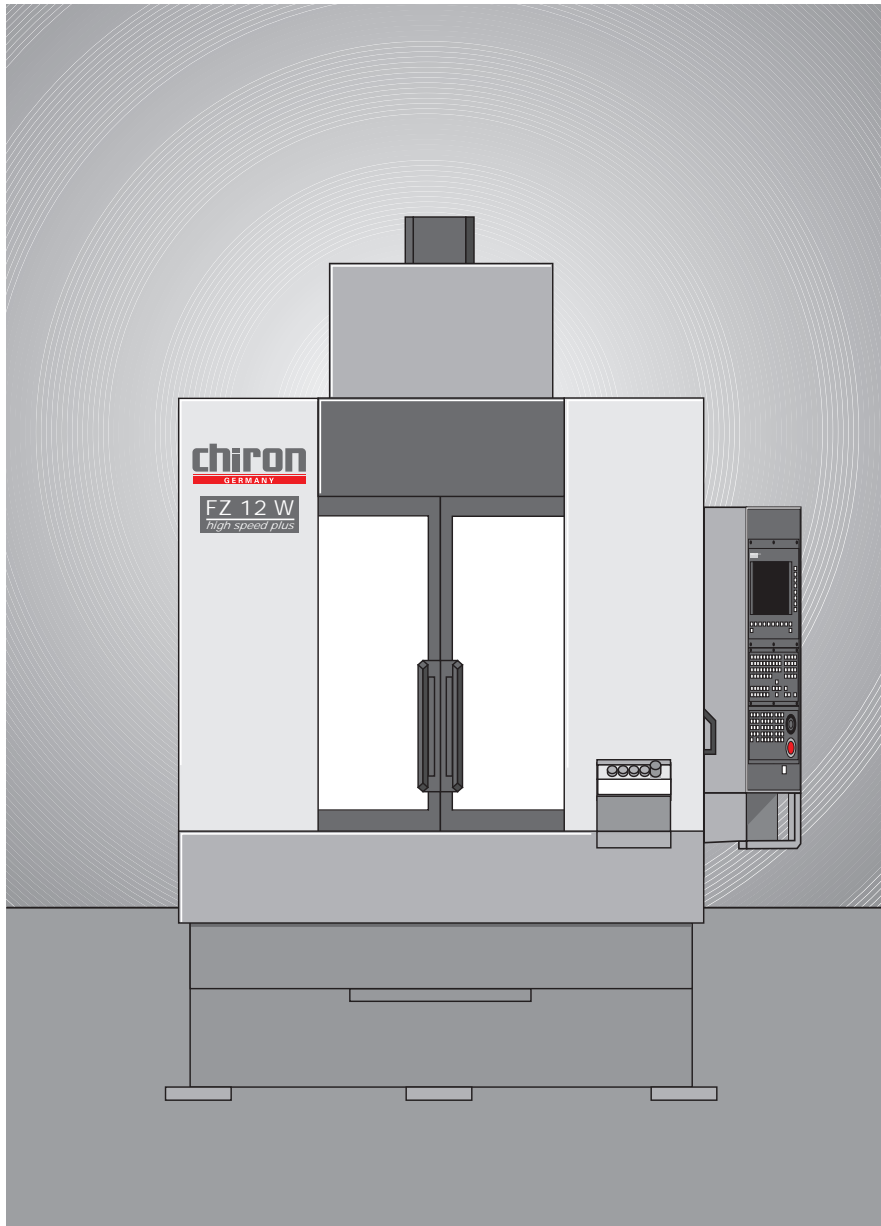


chiron

CNC Machining Centres



Datasheet

FZ 12 W

high speed plus

HSK-A 63

Tools 20

Chip-to-chip 1.9 s

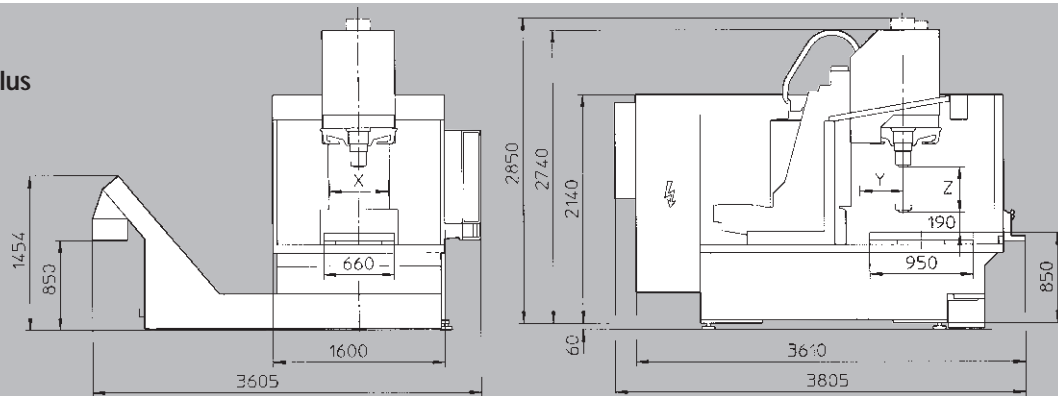
Spindle speed up to 20 000 rpm

Rapid 60 m/min

Acceleration 1 g

**Seconds
ahead**

FZ 12 W high speed plus

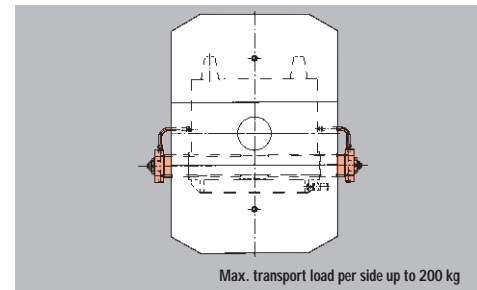


Technical data

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	20
Tool taper DIN 69893	HSK-A 63
Max. tool diameter	65 mm
If adjacent places are free	100 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	14 kW
Infinitely variable speed range	20 - 20 000 rpm
Max. torque	90 Nm
Diameter front spindle bearing	65 mm
Tool clamping	mechanically locked
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	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 change time	approx. 2.4 s
Max. transport load per side	100 (150) kg
Chip conveyor, discharge height	850 mm
Coolant through spindle	20 bar
Coolant device, container capacity	500 l
Full enclosure	
Thermocontrol	
Total connected power	approx. 30 kVA
Machine weight	approx. 6.5 t
Floor space	approx. 8.4 m ²
Air connection	6.0 bar

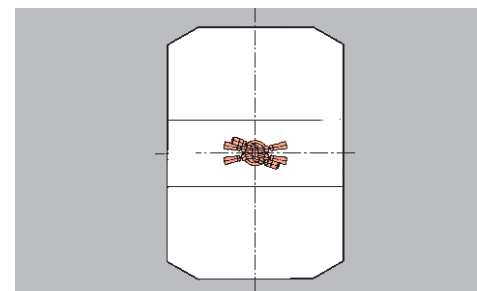
New

■ System is controlled so it is unaffected by weight of work-pieces and fixture



Options

■ Connections for hydraulic and pneumatic supply are provided in the middle through rotary unions (6 or 10 outlets)



- NC rotary table with basic fixture
- Extraction
- Automatic doors
- Chiron-laser-control
- 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
- Multi-spindle head adaptor
- Dry machining with minimal lubrication