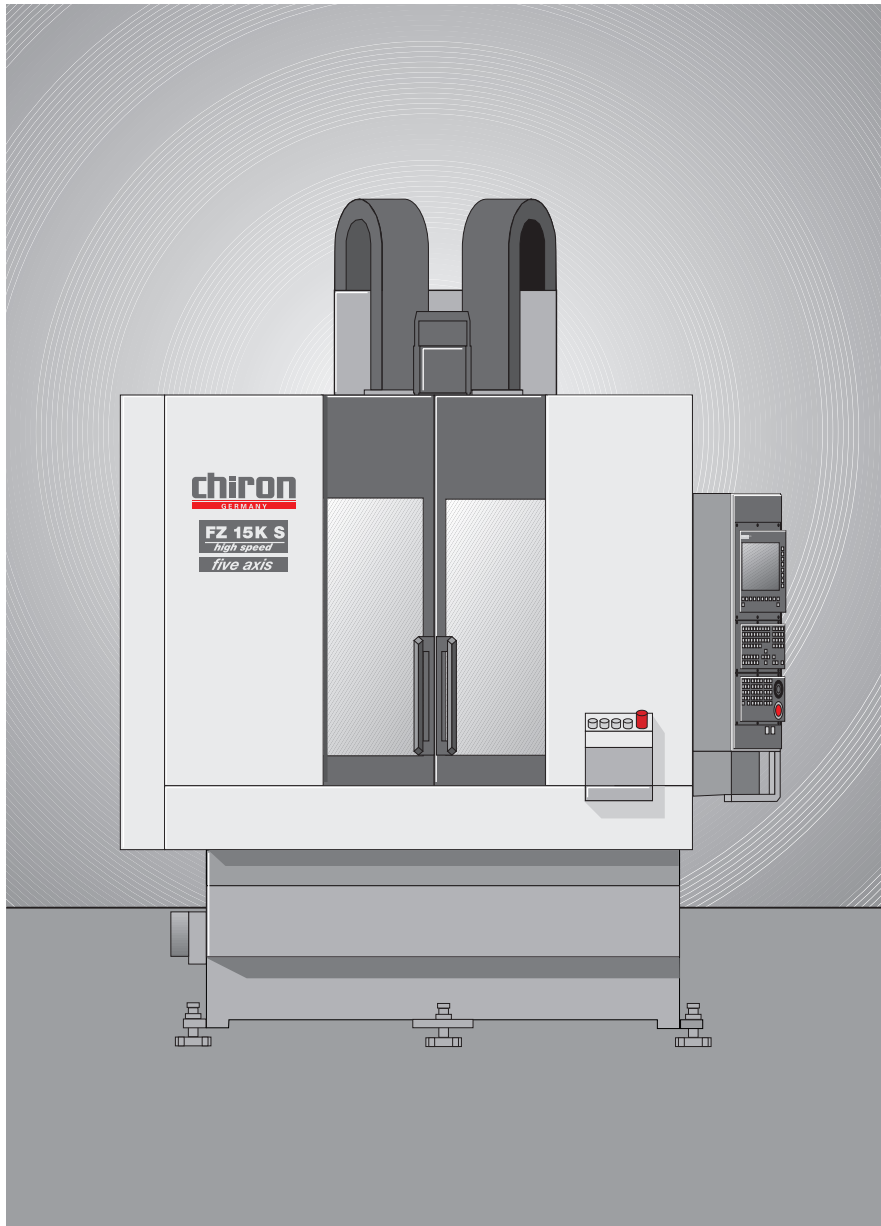


chiron

CNC Machining Centres



Datasheet

FZ 15K S

five axis

HSK-A 63

Tools 48

Chip-to-chip 2.4 s

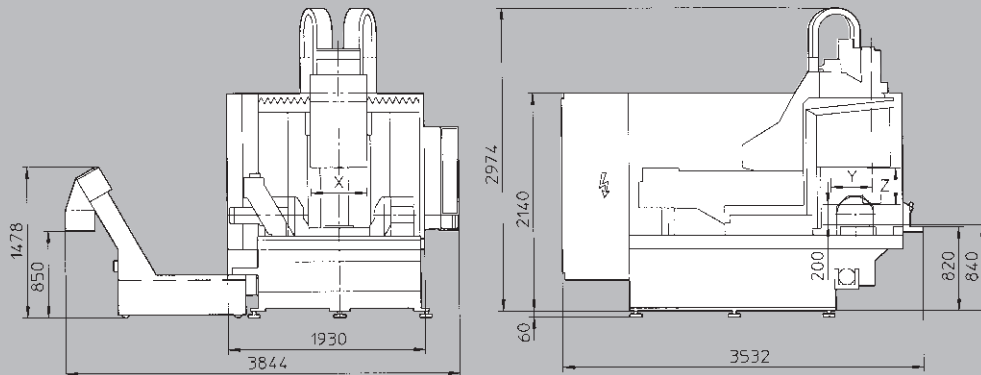
Spindle speed up to 20 000 rpm

Rapid 60 m/min

Acceleration up to 1.2 g

**Seconds
ahead**

FZ 15K S
five axis



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-A63 |
| Max. tool diameter | 80 mm |
| If adjacent places are free | 125 mm |
| Max. tool length | 250 cm ³ /min |
| 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 | 95 - 495 mm |
| Distance spindle nose to table surface | 200 - 560 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 |
| NC-tilting rotary table | +/- 100° |
| Face plate diameter | 280 mm |
| Dowel and bolt hole pattern | M 16 x Ø 15 ^{H7} x 50 mm |
| Max. transport load | 400 kg |
| Speed A/B axes | 25/16 rpm |
| Direkt path measuring system on 4 th and 5 th axes | +/- 15" // +/- 8" |
| Chip conveyor, discharge height | 850 mm |
| Coolant device, container capacity | 250 l |
| Total connected power | approx. 27 kVA |
| Machine weight | approx. 5.0 t |
| Floor space | approx. 8.0 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 kW |
| Tapping | M 30 |
| Milling capacity in ST 60 | 500 cm ³ /min |

- 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
- Direct path measuring system
- Chiron-laser-control
- Multi-spindle head adaptor
- Workpiece transport and magazine equipment
- Stationary 3-D probe system

- Face plate with adapter for SK or HSK

