

Seconds ahead

with CHIRON five axis Technology



FZ12 FX **baseline**

Fast and compact precision machining center
for economical 5-axis complete machining

FZ12 FX baseline

Precision in one set-up

The FZ12 FX BASELINE is among the best machining center of its class in terms of speed, compact construction and versatility of use.

The CHIRON entry-level machine is perfect for sub-contractors and small batch production from one unit.



2-axis swivel rotary table for economical complete machining with five simultaneously controlled axes.



Automatic tool change with the pick-up method as fast as 0.9 s (48 tool places).

Your advantages:

- Vertical traveling column principle
- Compact installation area (width 2,100 mm x depth 3,200 mm)
- Mineral cast machine bed
- High rigidity and thermal stability
- Highest precision in positioning and simultaneous operation
- Dynamic direct drives and precision guides
- Integrated CHIRON 2-axis swivel rotary table with direct measuring systems
- Fourth axis with a pivoting range of up to $\pm 120^\circ$
- 5th axis with TORQUE drive
- Ergonomic operating and loading concept
- Service friendly access to all auxiliary units
- High durability, low maintenance
- Machine tool construction "Designed and Made in Germany"

Technical data:

- | | |
|-----------------------------------|-----------------------------------|
| ■ Travel X-axis | 550 mm |
| ■ Travel Y-axis | 400 mm |
| ■ Travel Z-axis | 360 mm |
| ■ Maximum electrical power | 40 kW (25% ED) |
| ■ Maximum spindle speed | 15,000 rpm |
| ■ Chip-to-chip time starting | from 2.2 s
(Control Dependent) |
| ■ Maximum axis acceleration X-Y-Z | 1-1.5-2 g |
| ■ Rapid feed as fast as | 75 m/min |
| ■ 2-Axis Tilt Rotary Table | CASD \varnothing 280 mm |
| - Swivel range | $\pm 120^\circ$ |
| ■ Maximum number of tools | 48 / 32 |
| ■ Tool taper | HSK A-50 / HSK A-63 |
| ■ Maximum tool diameter | 60 / 125 mm |
| ■ Maximum tool length | 250 mm |
| ■ Control | Siemens 840D sl or |

Workpiece-Dimensions:

- Dimensions: \varnothing 610 x 200 mm
- Swing diameter: \varnothing 650 mm
- Table load capacity: 320 kg

Attractive financing offers (e.g. zero funding) by our leasing partner.

CHIRON Werke GmbH & Co. KG

Kreuzstrasse 75, 78532 Tuttlingen, Germany, Phone +49 7461 940-0