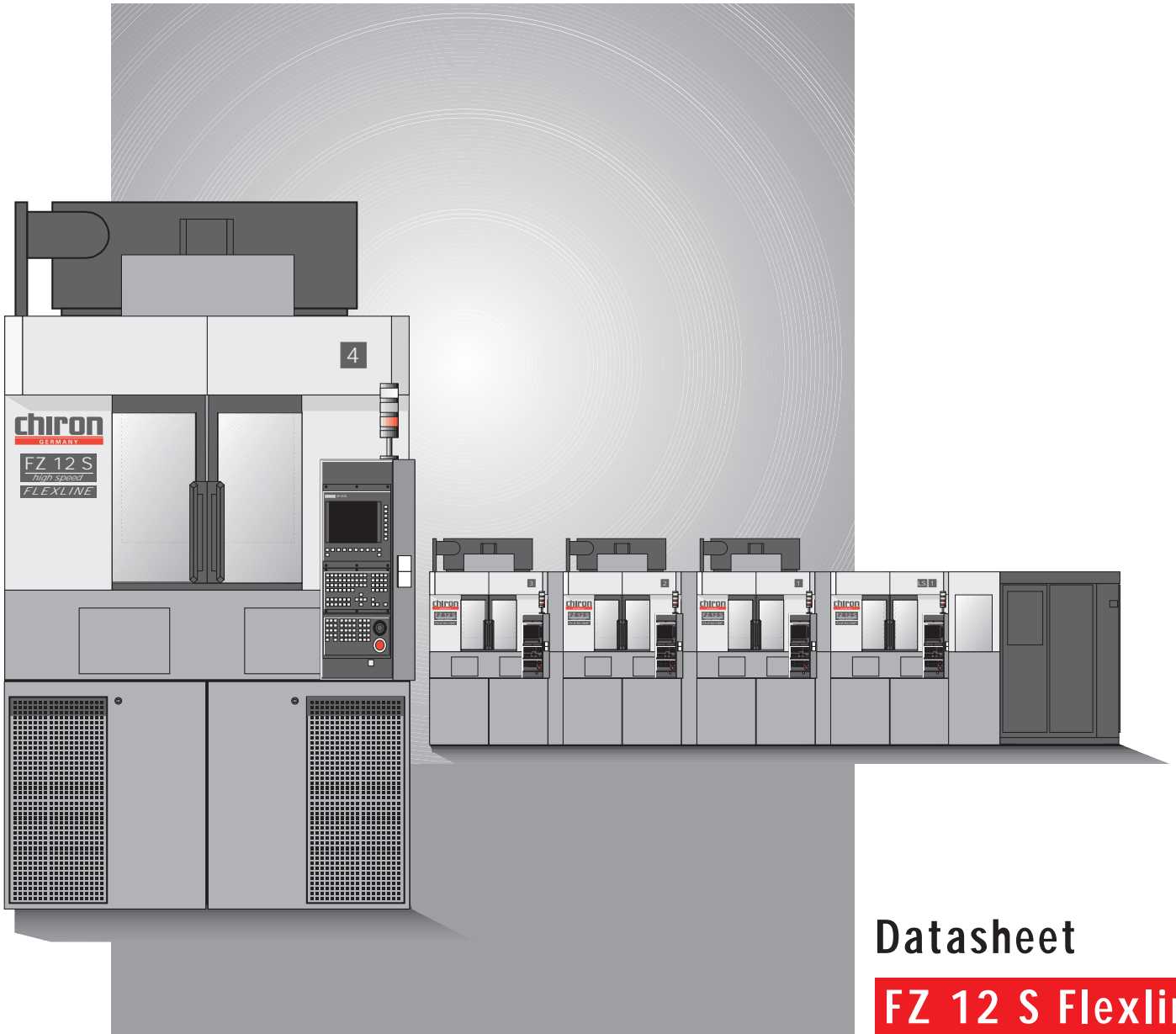


chiron

CNC-Machining Centres



Datasheet

FZ 12 S Flexline

HSK-A 63

Tools 20

Tool change 0.9 s

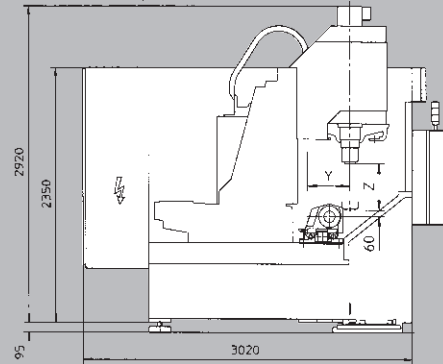
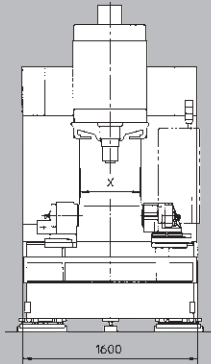
Chip-to-chip 1.9 s

Spindle speed up to 20 000 rpm

Rapid 60 m/min, 1 g

Seconds ahead

FZ 12 S Flexline

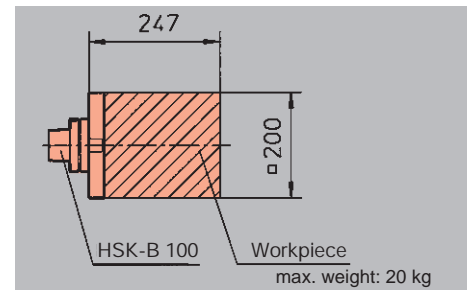


Technical data

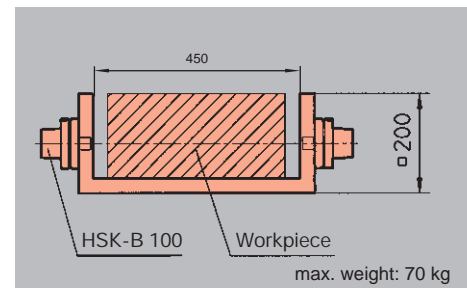
Drilling capacity in steel ST 60, carbide drill	42 mm
Tapping capacity	M 30
Facemilling in ST 60	300 cm ³ /min
Tool storage capacity	20
Spindle taper DIN 69893	HSK-A 63
Max. tool diameter	65 mm
If adjacent pockets free	150 mm
Max. tool weight	2.5 (5) kg
Tool change time	approx. 0.9 s
Chip-to-chip time	approx. 1.9 s
Main spindle power, AC	18 kW
Spindle speed	20 - 12 000 rpm
Max. torque	140 Nm
Front spindle bearing diameter	70 mm
Tool clamping system	mechanical
Spindle to covers (throat)	440 mm
Spindle nose to NC Rotary centre	60 - 485 mm
Travel X-axis	550 mm
Travel Y-axis	390 mm
Thrust X/Y-axes	4 000 N
Travel Z-axis	425 mm
Thrust Z-axis	8 000 N
Rapid traverse rate X-/Y-/Z-axes	60 m/min
Thermocontrol	
NC Rotary table with automatic pallet	
Location system	HSK-B 100
Pallet clamping force	20 000 N
Chip conveyor with high pressure	
Coolant through spindle system	20 bar
Full enclosed working area	illuminated
Total connected power	approx. 48 kVA
Machine weight per station	3,0 t
Floor space per station	4.5 m ²
Air pressure requirement	6 bar
Minimal maintenance	

Pallet

Basic pallet



Pallet for trunnion fixture



Options

Coolant through spindle	70 bar
Higher spindle speed	20 - 20 000 rpm
Max. torque	90 Nm
Main spindle power AC	14 kW

- Power monitoring for tool breakage and misloading
- Drill breakage and tool life management
- Direct distance measuring system
- Probe, tool measurement and tool management
- Chiron-laser-control
- Tilting 4th / 5th rotary table
- Tool-ID box
- Mist collector
- Dry machining with minimal lubrication