



CNC-Draaien / CNC-Drehen / CNC-Turning



Gildemeister Sprint 65

No. of axles	10
Sub spindle	Yes
No. of turrets	3
Tools	Yes
Bar feeding	Yes
Passage	76 mm
Gantry robot	No
Operating system	Fanuc



Gildemeister Sprint 65

No. of axles	10
Sub spindle	Yes
No. of turrets	3
Tools	Yes
Bar feeding	Yes
Passage	76 mm
Gantry robot	No
Operating system	Fanuc



Gildemeister Sprint 65

No. of axles	10
Sub spindle	Yes
No. of turrets	3
Tools	Yes
Bar feeding	Yes
Passage	76 mm
Gantry robot	Yes
Operating system	Fanuc



Gildemeister Sprint 65

No. of axles	10
Sub spindle	Yes
No. of turrets	3
Tools	Yes
Bar feeding	Yes
Passage	76 mm
Gantry robot	Yes
Operating system	Fanuc



Gildemeister Sprint 65

No. of axles	10
Sub spindle	Yes
No. of turrets	3
Tools	Yes
Bar feeding	Yes
Passage	76 mm
Gantry robot	No
Operating system	Fanuc



Gildemeister Sprint 65

No. of axles	10
Sub spindle	Yes
No. of turrets	3
Tools	Yes
Bar feeding	Yes
Passage	76 mm
Gantry robot	No
Operating system	Fanuc



Tornos Deco 26

No. of axles	12
Sub spindle	Yes
No. of turrets	N.A.
Tools	Yes
Bar feeding	Yes
Passage	32 mm
Gantry robot	No
Operating system	Fanuc



Victor 26

No. of axles	3
Sub spindle	No
No. of turrets	1
Tools	Yes
Bar feeding	Yes
Passage	81 mm
Gantry robot	No
Operating system	Fanuc

CNC-Draaien / CNC-Drehen / CNC-Turning



Victor 26

No. of axles	3
Sub spindle	No
No. of turrets	1
Tools	Yes
Bar feeding	Yes
Passage	76 mm
Gantry robot	No
Operating system	Fanuc



Victor 26

No. of axles	3
Sub spindle	No
No. of turrets	1
Tools	Yes
Bar feeding	Yes
Passage	76 mm
Gantry robot	No
Operating system	Fanuc



Daewoo Puma 350

No. of axles	3
Sub spindle	No
No. of turrets	1
Tools	Yes
Bar feeding	Yes
Passage	116 mm
Gantry robot	No
Operating system	Fanuc



Victor VT+

No. of axles	3
Sub spindle	No
No. of turrets	1
Tools	No
Bar feeding	Yes
Passage	56 mm
Gantry robot	No
Operating system	Fanuc



Victor VT+

No. of axles	3
Sub spindle	No
No. of turrets	1
Tools	No
Bar feeding	Yes
Passage	56 mm
Gantry robot	No
Operating system	Fanuc



Nakamura NTY3

No. of axles	12
Sub spindle	Yes
No. of turrets	3
Tools	Yes
Bar feeding	Yes
Passage	66 mm
Gantry robot	No
Operating system	Fanuc



Nakamura NTY3

No. of axles	12
Sub spindle	Yes
No. of turrets	3
Tools	Yes
Bar feeding	Yes
Passage	66 mm
Gantry robot	No
Operating system	Fanuc



Nakamura NTY3

No. of axles	12
Sub spindle	Yes
No. of turrets	3
Tools	Yes
Bar feeding	Yes
Passage	66 mm
Gantry robot	No
Operating system	Fanuc



CNC-Frezen / CNC-Fräsen / CNC-Milling



OKK HMC 500

- Flexible manufacturing systems
- 24/7 unmanned production
- Produces and supplies independently
- Carries out different orders independently
- Loaded by Fastems
- 178 tools



OKK HMC 500

- Flexible manufacturing systems
- 24/7 unmanned production
- Produces and supplies independently
- Carries out different orders independently
- Loaded by Fastems
- 178 tools



OKK HMC 500

- Flexible manufacturing systems
- 24/7 unmanned production
- Produces and supplies independently
- Carries out different orders independently
- Loaded by Fastems
- 178 tools



OKK HMC 500

- Flexible manufacturing systems
- 24/7 unmanned production
- Produces and supplies independently
- Carries out different orders independently
- Loaded by Fastems
- 178 tools



OKK HMC 500

- Flexible manufacturing systems
- 24/7 unmanned production
- Produces and supplies independently
- Carries out different orders independently
- 48 pallet spaces
- 178 tools



OKK HMC 500

- Flexible manufacturing systems
- 24/7 unmanned production
- Produces and supplies independently
- Carries out different orders independently
- 48 pallet spaces
- 178 tools



Mori Seiki SH 403

- Flexible manufacturing systems
- 24/7 unmanned production
- Produces and supplies independently
- Carries out different orders independently
- Loaded by Fastems
- 300 tools



OKK HM400

- Flexible manufacturing systems
- 24/7 unmanned production
- Produces and supplies independently
- Carries out different orders independently
- Loaded by Fastems
- 300 tools



CNC-Frezen / CNC-Fräsen / CNC-Milling



OKK HM400S

No. of axles	4
Spindle position	Horizontal
Range X	630
Range Y	630
Range Z	700
Pallet change	Yes
Tools	80
Operating system	Fanuc



Victor 70

No. of axles	3
Spindle position	Vertical
Range X	700
Range Y	480
Range Z	510
Pallet change	Yes
Tools	15
Operating system	Fanuc



OKK HM X6000

No. of axles	5
Spindle position	Horizontal
Range X	1050
Range Y	900
Range Z	820
Pallet change	Yes
Tools	120
Operating system	Fanuc



Victor 70

No. of axles	3
Spindle position	Vertical
Range X	700
Range Y	480
Range Z	510
Pallet change	Yes
Tools	15
Operating system	Fanuc



OKK HM4

No. of axles	4
Spindle position	Horizontal
Range X	550
Range Y	600
Range Z	600
Pallet change	Yes
Tools	30
Operating system	Fanuc



Victor 125

No. of axles	4
Spindle position	Vertical
Range X	1250
Range Y	560
Range Z	610
Pallet change	No
Tools	15
Operating system	Fanuc

Various machines



Mitutoyo Crysta Apex C

- Located in climatic room
- Range 905x1605x605
- Movement speed 520 mm/s
- Accuracy 0,0023 mm
- Offline CAD programming
- Super linear height 450
- Automated placement of parts by a robot for **process measurements**



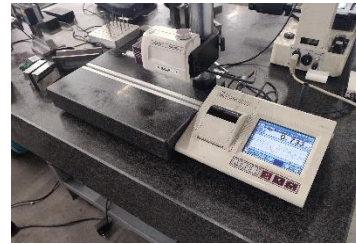
Mitutoyo Crysta Apex C

- Located in climatic room
- Range 905x1605x605
- Movement speed 520 mm/s
- Accuracy 0,0023 mm
- Offline CAD programming
- Super linear height 450
- Manual placement of parts for **single measurements**



Mahr Marsurf XC 2

- Located in climatic room
- For accurate radius measurements
- Measuring bevels
- Measuring outlines, profiles and screw-thread
- Digitizing measurement data



Mitutoyo SJ-410

- Surface roughness meter
- Measurements under ISO 1302 standard
- Measurements under JIS1994, JIS2001, ISO1997, ANSI and VDA standard
- Digital recording measurement data



Vici Vision MTL 1

- | | |
|---------------------|---|
| Measuring field | Ø60mm,
L300 mm |
| Max. loadable sizes | Max 6 kg |
| Resolution | Ø 0.1 µm -
L 0.1 µm |
| Accuracy | Rotation 0.001°
Ø2+D(mm)/100
))µm 5+L(mm)
/100))µm |
| Repeatability | Ø 0.4 µm -
L 3 µm |



Dürr Ecoclean Cleaning Machine

- Cleaning and drying in closed operating chamber
- Rotating / tilting of drum to assist cleaning process
- Double liquid tank for fine-cleaning
- Ultrasonic function
- Cleaning rate to 50mN/m