

Machine list Grenchen

Turning from the bar

Long turning

5 pcs.	5-axes	diameter up to 16 mm	with autom. bar feeder	Star SA 12/16
10 pcs.	6-axes	diameter up to 20 mm	with autom. bar feeder	Star SR 20R
4 pcs.	7-axes	diameter up to 20 mm	with autom. bar feeder	Tornos CT20
2 pcs.	7-axes	diameter up to 32 mm	with autom. bar feeder	Star KNC 32II
1 pcs.	8-axes	diameter up to 7 mm	with autom. bar feeder	Star SW 7R
7 pcs.	8-axes	diameter up to 20 mm	with autom. bar feeder	Star SV 20
5 pcs.	9-axes	diameter up to 12 mm	with autom. bar feeder	Star SV 12
5 pcs.	9-axes	diameter up to 32 mm	with autom. bar feeder	Star SV 32
3 pcs.	11-axes	diameter up to 20 mm	with autom. bar feeder	Star SW 20
2 pcs.	12-axes	diameter up to 38 mm	with autom. bar feeder	Star ST 38

Multispindle

2 pcs.	14-axes	diameter up to 16 mm	with autom. bar feeder	Tornos MultiSwiss
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Short turning

2 pcs.	5- axes	diameter up to 60 mm	with autom. bar feeder	Index ABC
3 pcs.	8- axes	diameter up to 65 mm	with autom. bar feeder	Index G 200
1 pcs.	8- axes	diameter up to 65 mm	with autom. bar feeder	Nakamura WY-150
1 pcs.	8- axes	diameter up to 42 mm	with autom. bar feeder	Nakamura WY-100
3 pcs.	8- axes	diameter up to 51 mm	with autom. bar feeder	Nakamura WY-100

Chuck turning and Milling

1 pc.	CNC turning center	Supermax YCM-GT250 MA
1 pc.	CNC turning center	Gildemeister CTX
1 pc.	CNC milling center	Haas Super VF

Grinding

1 pc.	Cylindrical grinding machine	Studer S21	external and internal grinding
1 pc.	Cylindrical grinding machine	Tschudin HTG 410	
1 pc.	Grinding machine	Agathon 150	
1 pc.	Centerless grinding machine	Estarta 301 MV	
1 pc.	Centerless grinding machines	SFS Herminghausen SR2 with robot	
1 pc.	Centerless grinding machines	Monzesei incl. automatically loading system	

Subsequent processing

1 pc.	Finishmaster Z 600	
1 pc.	Thread rolling machine Thommen	
1 pc.	Smooth rolling machine	
	Many different vibratory grinding options	
1 pc.	Ultrasonic cleaning machine Pero	
1 pc.	Ultrasonic cleaning machine with laminar flow box KKS	

Laser-Technology

1 pc.	Laser marking Ventus Marker DFL
1 pc.	Assembly and Laser welding production line

Measuring devices

2 pc.	3-D measuring machine Mitutoyo
	Many additional measuring devices