

Machine list Grenchen CH

Automatic lathes

CNC long turning lathes (swiss type)

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
4 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.	11-axes	diameter up to 32 mm	with autom. bar feeder	Star ECAS 32T
1 pcs.	12-axes	diameter up to 38 mm	with autom. bar feeder	Star ST 38

Multi-spindle machines

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

CNC turret automatic machines

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.	7- axes	diameter up to 65 mm	with autom. bar feeder	Nakamura WT-250
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

CNC machines turning & milling

- 1 pcs. CNC turning center Supermax YCM-GT250MA
- 1 pcs. CNC turning center Gildemeister CTX
- 1 pcs. CNC milling center Haas Super VF

Grinding operations

- 1 pcs. Cylindrical grinding machine Studer S21 with internal grinding equipment
- 1 pcs. Cylindrical grinding machine Tschudin HTG 410
- 1 pcs. Grinding machine Agathon 150
- 1 pcs. Centerless grinding machine Estarta 301 MV
- 1 pcs. Centerless grinding machines SFS Herminghausen SR2 with robot
- 1 pcs. Centerless grinding machines Monzese incl. automatically loading system

Finishing operations

- 1 pcs. Finishmaster Z 600
- 1 pcs. Thread rolling machine Thommen
- 1 pcs. Smooth rolling machine

Different vibratory grinding installations

- 1 pcs. Ultrasonic cleaning machine with laminar flow box KKS
- 1 pcs. Solvent cleaning machine Pero

Laser technology

- 1 pcs. Laser marking Ventus Marker DFL
- 1 pcs. Assembly and Laser welding production line Helptec

Production of subassemblies

Measuring devices 3D