

MACHINERY LIST

CAD/CAM - SYSTEMS

- TopSolid
- WinTool (toolmanagement)

CNC TURNING/MILLING COMBINATION

	Diameter [mm]	Displacement (x, y, z) [mm]
SHW UniSpeed 5T	1.900	2.000 x 1.300 x 1.300

TURNING LATHES

CNC Vertical turning	Max. diameter [mm]	Diameter lathe chuck [mm]	Height [mm]	Stroke RAM [mm]	
STANKO	1.400	1.400	500	700	
Vertimaxx 2000	2.050	1.600	1.450	1.175	
TOSHULIN Basicturn 2000	2.300	2.000	2.000	1.350	With driven tools
Schiess	2.100	1.600	1.100	775	

CNC Horizontal turning	Diameter above bed/cross slide [mm]	Length [mm]	
CTX 510 ECO	465	1.100	With driven tools
Monforts RNC-7 1500	700	1.500	
CMZ TD35Y-3200	950/550	3.200	With driven tools, Y-axis and hydraulic actuated steady rest (stroke: 30-245 mm)

Teach-In turning	Diameter above bed/cross slide [mm]	Length [mm]
FAT TUR	630/380	2.000
Weiler E50	530/330	2.000

Conventional turning	Diameter above bed/cross slide [mm]	Length [mm]
VDF DUE 560	560/365	1.500
Boehringer	440/170	1.500

BORING MACHINES

	Table dimensions [mm]	Displacement (x, y, z) [mm]	
Sacem	1.600 x 2.000 CNC rotating table	4.000 x 2.000 x 2.000	Spindle length: 1.000 mm

MILLING MACHINES

	Table dimensions [mm]	Displacement (x, y, z) [mm]	
Hedelius T7 Single	1.900 x 750	1.600 x 750 x 800	5-axis simultaneous + CNC rotating table ø1.100 mm
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AXA 4000 XTS 50	4.000 x 1.000	4.000 x 900 x 950	5-axis + CNC rotating table ø1.200 mm
Anayak Performer 2500	2.700 x 850	2.500 x 1.000 x 1.100	5-axis + CNC rotating table (build on)
Anayak Performer 2000	2.200 x 850	2.000 x 1.000 x 1.100	5-axis + CNC rotating table (build on)
Micron/Haas	1.320 x 450	1.270 x 500 x 500	3-axis
YCM NXV 1020A	1.120 x 520	1.020 x 520 x 540	3-axis

GRINDING MACHINES

External cylindrical grinding	Diameter [mm]	Length [mm]	
Schautd CNC	515	3.000	Max. weight 800 kg

Internal cylindrical grinding	Diameter [mm]	Length [mm]	
Wotan	450	700	

Surface grinding	Table dimensions [mm]	Height [mm]	
Elb	900 x 500	400	

Universal grinding	Diameter [mm]	Length [mm]	
Kellenberger	500	1.650	

CNC SAWING MACHINE

	Diameter [mm]	
KASTO Twin A4 x 5	460	

KEYWAY MACHINES

Slotting	Technical details	Length [mm]
Frömag	Keyways up to 5-60 mm wide	600

Broaching	Technical details	Length [mm]
Klink	Keyways up to 5-28 mm wide	400

BALANCING

	Technical details	Length [mm]
Schenk	Max. ø3.500 mm Max. weight 1.500 kg Max. 3.600 RPM	3.870

DRILLING

	Table dimensions [mm]	Height [mm]
Raboma 1250	1.250 x 1.500	1.600
Raboma 1600	1.600 x 1.500	1.600

MEASURING

	Displacement (x, y, z) [mm]	
Zeiss 3D CNC	850 x 1.200 x 600	Incl. measuring report

HEAT TREATMENTS

	Dimensions (L x B x H) [mm]	
Heat Treat Oven	1.600 x 1.600 x 900	Incl. heat treatment report

WHITE METAL CASTING

Class of materials:

- White metal
- Silion