

MACHINE LIST

MACHINE		
LATHE MACHINES	SPECIFICATIONS	NOTES
CNC Vertical lathe 1x DOOSAN VT 900 M	Turning length: 850 mm Spindle speed: 1800 r/min	ø1000 mm above the bed ø700 mm above the cross slide Driven tools straight and right angle (n=3000 r/min) 8 kW
CNC Lathe 1x DOOSAN Puma 400 XLMB	Turning length: 3114 mm Spindle speed: 2000 r/min Spindle drill: ø132 mm	ø770 mm above the bed ø590 mm above the cross slide Driven tools straight and right angle (n=3000 r/min) 8 kW
CNC Lathe 1x GILDEMEISTER NEF 520	Turning length: 1500 mm Spindle speed: 3000 r/min Spindle drill: ø70 mm	Turning diameter ø260
CNC Lathe 1x GILDEMEISTER CTX 520	Turning length: 1300 mm Spindle speed: 4000 r/min 1x left, 1x right Spindle drill: ø66 mm	Turning diameter ø400 ø500 mm above the cross slide Driven tools Spindle speed: 4000 r/min
CNC Lathe 1x Hwacheon Cutex 240	Turning length: 400 mm Max. diameter: ø350 mm Diameter carriage: ø350 mm	With driven tools
CNC Lathe 1x Hwacheon T2	Turning length: 520 mm Max. diameter: ø300 mm Diameter carriage: ø300 mm	With driven tools, take over spil and rods charger max. ø65
CNC Lathe 1x Colchester Combi 3000	Turning length: 1000 mm Max. diameter: ø350 mm Diameter carriage: ø270 mm	
CNC Lathe 1x Colchester Combi 4000	Turning length: 1600 mm Max. diameter: ø500 mm Diameter carriage: ø360 mm	
CNC Lathe 1x Emcomat E480	Turning length: 5000 mm Max. diameter: ø1050 mm Diameter carriage: ø740 mm	
Conventional turning 1x type SLW 560	Turning length: 1500 mm Max. diameter: ø560 mm Diameter carriage: ø355 mm	
Conventional turning 1x type Colchester Magnum LB800	Turning length: 4015 mm Max. diameter: ø760 mm Diameter carriage: ø520 mm	
MILLING MACHINERY	SPECIFICATIONS	NOTES
CNC Machining centre Hedelius Tiltenta T7 2600 (5-axis)	Spindle speed: 12.000 r/min 2600 x 750 x 695/800 mm (xyz)	CNC turnable ø750 mm, with slewing milling head 29 kW Toolswitcher with 50 positions Cooling by the spindle
CNC Machining centre 1x HERMLE B300U (5-axis) Simultaneous	Spindle speed: 15000 r/min 800 x 600 x 500 mm (xyz)	CNC turnable ø280 mm Toolswitcher with 22 positions Cooling by the spindle 19kW
CNC Milling machine 1x HARTFORD HAS -4260	Spindle speed: 8000 r/min 4500 x 2600 x 1070 mm (xyz)	Table load 15.000 kg. Toolswitcher with 20 positions Cooling by the spindle 25 kW Right-angle head: SF02, spindle speed: 2000 r/min
CNC Milling machine 1x SACHMAN RP3	Spindle speed: 2400 r/min 2500 x 815 x 1012 mm (xyz)	18,5 kW
CNC Milling machine 1x Deckel Maho DMC 63 V	630 x 500 x 500 mm (xyz)	Equipped with loading robot BMO Titanium Head: vertical
CNC Milling machine 1x Eumach MC 800P	800 x 500 x 500 mm (xyz)	Head: vertical
CNC Milling machine 1x DMG Mori DMU 65 monoblock (5-axis) Simultaneous	1000 x 640 x 560 mm (xyz)	Equipped with loading robot BMO Titanium Slewingtable
CNC Milling machine 1x Lagun GBM 42 (5-axis)	4000 x 1200 x 1500 mm (xyz)	Aut. adjustable millinghead
NC Boring and Milling machine 1x Lagun FCM 2000	1400 x 700 x 450 mm (xyz)	Head: universal
PROGRAMMING	SPECIFICATIONS	NOTES
CAD/CAM Software	TOP SOLID 6 / Edgcam 2016	In use for turning and milling

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CONSTRUCTION		
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Welding - Various Welding equipment	Electr. MIG/MAG, TIG, Autogenous, stud welding for steel, stainless steel and aluminium and orbital welding	Certified welding (Lloyds, Energieconsult, DNV) and high qualified welding.
SAW - Various Band saws	Square 400 x 600 mm (max ø250 mm)	Half-autom, Full-autom., Onsite pipe saw
DRILLING - Various Drillingmachines	Radial tot ø76 mm Colomn tot ø76 mm Holke Mini Alberto F-1-V Erlø TCA 45BV Tai Pin TPR 820 Herman Kolb 0601	Utilizing 1150 x 1100 mm high Utilizing 350 x 1000 mm high 500 x 270 x 500 mm (xyz) 600 x 350 x 400 mm (xyz) 1000 x radial x 750 mm - infeedarm 1250 x radial x 1600 mm - infeedarm
GRINDING - Various Grindingmachines	GER RH-L 450 round grinding GER RS 1000 flatgrinding	Max. ø450 mm Table 1000 x 500 mm
NIBBLING- Various Hydraulic cutters	Such as SAFAN Max. 3000 mm long	Plate thickness max. 6 mm Steel, 4 mm Stainless steel Plate thickness max. 6 mm
SETTING - Various Sidebanks	CNC/ Till 3000 mm long, such as TMN/Atlantic	Compressive force 110 ton, Steel max. 4 mm, Stainless steel max. 3 mm
CUTTING - Various Machines	SAF – Plasma Plasma max 50 mm thick Autogenous max 100 mm thick	Plate thickness Steel 15-20 mm Plate thickness Stainless steel 15 mm
ROLLING - Various Rollingmachines	Rolled section: 500 x 6 mm thick, max. UNP 100 Rolling plate: 2050 mm Metalkraft RBM - 1000 br.	6 kW Plate thickness: steel 8 mm Stainless steel 5 mm Plate thickness max 4,5 mm
CORNERS	Euromac Multi 220	Plate thickness: Steel 4 mm – Stainless steel 2 mm
BENDING PIPES	Ercolina	
BROACHING	Key way 25 mm	
SAND-BLAST	Glass pearl blasting (cabine + handblaster)	Spray room
DEBURR / BARREL POLISH	Kromas voor small workpieces Vibromax	150 x 150 mm 1250 x 500 x 300 mm
PROJECT ENGINEERING & GUIDANCE		
FACILITIES	SPECIFICATIONS	NOTES
3D CAD System	SOLID WORKS + AUTO CAD + SOLID Edge	
Drawing System	SOLID WORKS Enterprise PDM	For drawing and design
3D Laser Scanner	FARO Focus 3D X130	For scanning into 3D designs of existing locations on any desired location.
3D Laser Printer Metal Concept Laser M1	250 x 250 x 250 (xyz)	Metal powder Stainless steel 316 layer thickness 20-80 micron
CERTIFICATIONS		
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ISO 3834-2	Welding quality requirements	Various welding qualifications and welders qualifications
NEN-EN 1090	Technical requirements for bearing constructions	
ISO 9001	Management qualities	
VCA	*(2008/05) *(2008/5.1)	NACE-code 29, 56 NACE-code C28
MEASURE		
EQUIPMENT	SPECIFICATIONS	NOTES
3D Measuring arm	FARO Gage	Round volume range ø1,2 m
Various Measuring instruments	Various Micro- and Roughness indicators	Conditioned Measuring room
ASSEMBLE		
FACILITIES	SPECIFICATIONS	NOTES
Various Tools and Machines	Incl. machine benchwork	For finishing, assembly and installation
Various Elevating and Lift possibilities	Bridge crane max. 20 ton	