

ZELTWANGER AMT

# MACHINE LIST

September 2023



**CNC MACHINING:**

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**A) 1 DMG CNC 5-axis-Universal-Machining Center DMU 50 3<sup>rd</sup>**

With tool change, simulations, high pressure inner coolant

**Tool magazine:** 60 positions  
**Max Travels:** X: 650 mm, Z: 475 mm, Y: 520 mm  
**Year of installation:** 2020

**B) 1 DMG MORI CMX 600V 3-axis-milling machine**

With tool change, simulations, inner coolant

**Tool magazine:** 30 positions  
**Max Travels:** X: 600 mm, Z: 510 mm, Y: 560 mm  
**Year of installation:** 2018

**C) 1 DMG MORI CLX 450 universal turning machine**

Controlled C-axis, 12 tool positions, live tools, inner coolant

**Through spindle diameter:** 60 mm  
**Max diameter:** 220 mm  
**Max length:** 800 mm  
**Year of installation:** 2018

**D) 1 Optimum TH4615 Manual turning machine**

Digital measuring

**Through spindle diameter:** 50 mm  
**Max diameter:** 260 mm  
**Max length:** 1000 mm  
**Year of installation:** 2017

**SHEET METAL BENDING, CURVING, ROLLING:**

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**A) 1 TRUMPF TruBend 5230 (b23)**

Pressing force approx.: 2300kN  
 Working length: 3230 mm  
 Construction year: 2017

**B) 1 TRUMPF TruBend 7036 (b28)**

Pressing force approx.: 360kN  
 Working length: 1020 mm  
 Construction year: 2023

**C) 1 KNUTH KRM 20/4.0 – NC sheet metal rolling machine**

**D) 1 KNUTH KR 10/30 – sheet metal rolling machine**

**E) 1 KNUTH KPB 50 – tube and profile rolling machine**

**F) 1 KNUTH SBS 1270/2 – folding machine**

**G) 1 KNUTH KW100 – angle bender (manual)**

For precise cold and hot bending of flat, round and square steel

**QUALITY CONTROL:**

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**A) 1 FARO POWER GAGE**

Cam2GAGE ver. 2.2.1.90 (software)

Travels: X: 600mm, Z: 1000mm, Y: 900mm

**B) 1 MAHR – DIGIMAR 817 CLM**

Measuring range: Z: 0-600mm  
 Weight: 30 kg  
 Maximum deviation:  $(1,8 \mu\text{m} + L/600)$  L in mm  
 Measuring force (N): 1,0 +/- 0,2 N

**C) 3D Coordinate Measuring System Renishaw PH20 Coord3 Ares NT 07.10.05**

Measuring range: X,Y, Z: 650 x 1000 x 500  
 Weight: TBD kg  
 Maximum deviation:  $2 + L/320$  ( $\mu\text{m}$ )  
 Resolution: 0,1  $\mu\text{m}$   
 Maximal load: Up to 800 kg  
 Year of installation: 2022

**WELDING AREA:**

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- A) 1 LORCH handy tig 180DC – welding unit
- B) 5 LORCH T220 basic DC – welding unit
- C) 8 ESAB caddy 2200 i AC/DC – welding unit
- D) 1 ESAB MIG C3000i – welding unit
- E) 11 Demmeler - profi eco line 16 – welding table with precision grid clamping system  
( 2400 mm x 1200 mm)
- F) 2 Demmeler - profi eco line 28 – welding table with precision grid clamping system  
( 2400 mm x 1200 mm)
- G) 1 Oxygen-acetylene kit
- H) 1 CDP-99 stud welding device
- I) 1 plasma cutting source ALFA IN 40 PLASMA PFC  
Cut up to 15mm thickness  
Year: 2021

**CLEANING:**

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- A) 1 MAHE HYPERCLEANER ST  
electrochemical equipment – inverter  
for cleaning / polishing / marking STAINLESS STEEL materials of all types of CrNi steels  
Used for TIG and MIG welds
- B) 1 KARCHER kr3.91  
High-pressure water cleaner

**CUTTING:**

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- A) **1 BOMAR ERGONOMINC 320.250 DGSH – band saw**  
with turntable  
**RANGE OF ANGLES:** -45° up to 60°  
**WEIGHT:** 372 kg
- B) **1 BERG & SCHMID VKS 350 semi-automatic circular saw**  
**Range:** L-W-H 1100 x 850 x 1800 mm  
**Weight:** 450 kg
- C) **1 BOMAR Proline 420.350 ANC –automatic band saw**  
**Maximum submission length:** 600mm  
**Range:** L-W-H 2300 x 1950 x 2300 mm  
**Weight:** 1200 kg  
**Maximal load:** Up to 2180 Kg  
**Year of installation:** 2022

**LASER CUTTING:**

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- A) **Trumpf – Trulaser 3030 fiber**  
**6kW fiber laser source**  
**Working area:** sheets 1500 x 3000 mm  
**Maximal cutting thickness:** Up to 25mm (steel, stainless steel and aluminium)  
**Year of installation:** 2022

**COLUMN DRILL:**

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- A) **1 KNUTH SBF 40**  
**Table clamping surface:** 730x210 mm  
**Load capacity of the table (max.):** 100 kg  
**Weight:** 390 kg

**GRINDING:**

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- A) **1 MetallKraft MBSM 150-200-2**  
belt sander for metal
- B) **1 SUHNER – ROTAR**  
grinder with a flexible shaft
- C) **1 BOSCH GEF 7E**  
hand belt sander
- D) **1 BOSCH GSI 14CE**  
electrical axial grinder (burnisher)
- E) **1 DREMELER 200**  
straight grinder
- F) **1 BOSCH GRB 14 CE**  
belt pipe grinder
- G) **1 BOSCH GBG 60-20**  
table grinder
- H) **MORE BOSCH ANGLE GRINDERS (17", 19")**
- I) **MORE BOSCH VIBRATING GRINDER (eccentric, delta)**

**DEBURRING:**

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- A) **Q-FIN 1200XL**  
**Deburring machine with two grinding belts and eccentric brushes**  

<b>Belt size:</b>	1200mm
<b>Belt feed:</b>	0-8m/min
<b>Radius:</b>	max - 1mm
<b>Material thickness:</b>	0,6 - 100mm
<b>Options:</b>	Possibility of visual linear grinding
<b>Year of installation:</b>	2023
- B) **Diabolo X100**  
**Effective process of surface treatment, cleaning, deburring, and polishing.**  

<b>Maximum weight:</b>	5kg/pc
<b>Maximum loading:</b>	100kg
<b>Productivity:</b>	Up to 2000kg per 8 hours
<b>Part dimension:</b>	200mm x 750mm/pc
<b>Year of installation:</b>	2023

## CAD/CAM PROGRAMMING STATION

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### A) Machining / Milling:

SolidWorks 2016

HyperCAD/ HyperMILL 2021

5-axis indexing, simulation, standard model formats (STEP, IGES, DXF, DWG, and others...)

### B) Bending + laser cutting

TruTops Boost (v. 13.05.22.60), simulation, standard model formats (STEP, IGES, SCDOC, DXF, DWG, and others...)

AutoCad 2022 – 2D (.dwg / .dxf )

## SERVICES:

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### A) In cooperation with a fixed chain of sub-suppliers, we offer:

All surface and hardening treatments

3D print

CNC milling + turning

Welding (spare parts as well as assemblies)

Laser marking

electrochemical marking

CNC laser cutting

CNC Grinding

Flame/Plasma cutting

Water jet cutting

## ASSEMBLY:

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- small as well as complex assemblies
- sheet metal machine frames
- special machines
- stations and production lines
- handling systems
- clamping devices