

ZELTWANGER AMT

MACHINE LIST

November 2022



CNC MACHINING:

A) 1 DMG CNC 5-axis-Universal-Machining Center DMU 50 3rd

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:

A) 1 TRUMPF TruBend 5230 (b23)

Pressing force approx.: 2300kN
Working length: 3230 mm
Weight machine approx.: 17,000 kg
Construction year: 2017

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

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

D) 1 KNUTH KPB 50 – tube and profile rolling machine

E) 1 KNUTH SBS 1270/2 – folding machine

F) 1 KNUTH KW100 – angle bender (manual)

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

QUALITY CONTROL:

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 µm + 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 (µm)

Resolution: 0,1 µm

Maximal load: Up to 800 kg

Year of installation: 2022

WELDING AREA:

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:

- 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:

- 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:

- 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:

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

GRINDING:

- 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)**

CAD/CAM PROGRAMMING STATION

- 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:

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:

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