

We have invested in the latest equipment in order to be able to manufacture high quality materials efficiently at all times. The following machines are just some of those that we use to manufacture components weighing up to 5,000 kg.



Design

- CAD 3D workstations with SolidWorks and CAD/CAM systems adapted to this for mechanical production and sheet metal processing

Blanks

- MEBA CNC double mitre fully automatic band saw
Cutting width: 500 x 300 mm
Cutting angle: -60° - +45°
- Bach Apolda CNC flame cutting machine
Processing area: 6000 x 2000 mm
Cutting thickness: 5 – 120 mm
With an additional fine jet plasma cutting unit
Cutting area: 0.5 – 22 mm
- LVD laser cutting machine 3000 x 1500 mm, 4000 W with shuttle table
Cutting thickness: 22 mm steel, 10 mm aluminium and stainless steel



Shaping

- LVD CNC press brake with 4 m press length and 1700 kN pressure output
11-axis motion controls; external programming station
- Various hydraulic presses exerting pressure of up to 1600 kN
- CNC 3-axis motion controlled pipe bending machine
Max. bending diameter of solid material: 38 mm, pipe 50 x 2 mm

Machining

- Haas VF 6 CNC machining centre
Processing area: 1626 x 813 x 762 mm
Rotary table as 4th axis
- Haas VF CNC machining centre
Processing area: 762 x 406 x 508 mm
- Haas TL 25 CNC lathe
With bar feeder, powered tools and sub-spindle
Rotation area: 800 mm diameter x 500 mm long, hollow spindle diameter 82 mm
- Haas SL 30 CNC lathe
Processing area: 800 mm diameter x 850 mm long, hollow spindle diameter 82 mm
- Various other conventional and CNC controlled machines



Welding

- OTC robot welding machine
- Several welding workstations with Fronius equipment up to 400 A
Welding processes: MAG, electric, MIG, WIG
- Spot welding machine
- Stud welding machine

Surface treatment

- Painting shop for spray-painting components
- Powder coating, galvanising, burnishing etc
(in cooperation with partner firms)

Assembly work

- Equipment for assembling series production parts and individual items

