



Custom-made products are specialty. We are your contact for part production ranging from individual to small series.

## CAD Construction & Analysis

We are specialist in analyzing all facets of the problem and finding a solution. To check and optimize the strength and stability of the new developed parts we use finite element method (FEM) simulation from Autodesk Inventor. This allows us to start the optimization process in an early stage. Additionally, we do have the structural frame analysis software Dlubal to perform complex structural analysis.

## Materials

We work on construction steels, stainless steels, aluminum and plastics.

## Turning

<b>Conventional lathe</b>	Turning diameter	Up to 320 mm
	Length	Up to 1500 mm
<b>CNC EMCO 45</b>	Turning diameter	Up to 160 mm
	Length	Up to 240 mm

## Milling

<b>Deckel FP 42 CNC</b>	X-Axis	Up to 1170 mm
	Y- Axis	Up to 500 mm
	Z- Axis	Up to 370mm
<b>Deckel FP 3 CNC</b>	X- Axis	Up to 560 mm
	Y- Axis	Up to 500 mm
	Z- Axis	Up to 365 mm
<b>Flat milling machine, conv.</b>	Vertical head	

## Grinding

<b>Flat grinding</b>	Length	Up to 400 mm
	Width	Up to 200 mm
<b>Circular grinding</b>	Diameter	Up to 120 mm
	Length	Up to 350 mm

## Cutting

<b>Horizontal band saw</b>	Diameter	Up to 325 mm
----------------------------	----------	--------------

## Drilling

<b>Drill press</b>	Drill diameter	Up to 40 mm
--------------------	----------------	-------------

## Hardening

<b>Rhode Furnace</b>	Temperature	Up to 1200°C
	Height	Up to 200 mm
	Width	Up to 300 mm
	Depth	Up to 500 mm

## Welding

<b>Fronius Transpuls</b>	Type	WIG, MIG, MAG
	Current	320 A
	Weight	Up to 2000 kg
	Length	Up to 7 m
	Width	Up to 2 m