

# List of Machines

## Grinding

- knife-edge grinding on tool grinding machines  
(workspace 500x250x300 mm, 3 – 5 CNC-axis)
- surface grinding – CNC profile grinding (workspace 600x550x400 mm, CNC dressing device)
- centerless grinding (max. diameter: 40 mm, max. length; 100 mm)
- circular grinding (max diameter: 100 mm, max. length: 400 mm)
- flat lapping – fine grinding (diameter of the lapping disk 400 mm)
- bore honing (max. diameter: 32 mm)

## Free-hand fabrication

- free-hand grinding with abrasive belt grinding machines and face grinding machines also in larger quantities
- free-hand polishing (smooth threat contact surface) with abrasive cloth and emery cord also in larger quantities
- brushing – buffing

## Assembly

- small and/or small, complicated appliances and components up to a weight of 50 kg which still require setting-up and adjusting operations in the course of the assembly in small lots  
by qualified experienced employees

## Metal forming

- laser cutting (workspace 1250x1250 mm, thickness until about 12 mm)
- wire-cutting (workspace 320x220x150 mm)
- stamping and punching with hydraulic- and eccentric presses up to 63 to
- bending (bending length max. 500 mm)
- roll straightening (max. thickness 2 mm, max. width 120 mm)

## Milling – Drilling

- milling on CNC-milling-machines and CNC-machining centers  
workspace 500x400x330 (2000x600x500), up to 4 CNC-axis
- drilling – reaming – tapping

## Other machining

- partial hardening of small parts
- vibratory grinding and polishing
- sandblasting
- glass bead blasting
- straightening of soft and hardened parts
- hard- and soft-soldering by flame or inductive
- laser marking (marking area 100x100 mm)

## Together with our high-performance partners

- heat treatment: hardening, nitriding, annealing
- coatings: hard coating, corrosion inhibiting coating, other functional coatings
- laser welding
- hard soldering with continuous furnace
- (precision-) stamping / tool making
- turning

*Änderungen vorbehalten.*