



# MECHANICS

contact person  
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## FEATURES OF PERFORMANCE

- milling (CNC)
  - › max. dimensions of **350 x 350 x 200 mm<sup>3</sup>**
  - › face, rough and finish milling
  - › pocket milling
  - › notch and contour milling
- turning operation (conventional)
  - › max. diameter of **200 x 400 mm<sup>2</sup>**
  - › face and side turning
  - › inside turning
  - › thread turning
- drilling (from Ø1 mm to Ø10 mm in 0.1 mm steps)
- reaming (from Ø1H7 to Ø20H7)
- countersinking (cone countersinking 120°, 90°, 60°, plane countersinking)
- thread cutting (metric threads from M1 to M12)
- sawing of workpieces out of non-ferrous metals and polymers

## TYPICAL APPLICATIONS

- support masks for coating processes in vacuum
- adapter and mounting plate, templates, slots, elbow joints, plug connectors

## POSSIBILITIES OF PROCESSING

- production of customized workpieces by various machining possibilities and out of different materials while offering maximum flexibility and short delivery time
- **possible lot sizes / quantities:**
  - prototypes and individual parts
  - small and medium batch series
  - small functional modules
- additional generating of chamfers / threads / fits on laser cut components
- changes on already existing components (e.g. increase / relocate drills)
- **materials:**
  - › steel
  - › stainless steel
  - › aluminum, titanium
  - › brass, copper, nickel silver
  - › polymers (POM, PMMA, PTFE, PVC, PEI, etc.)
  - › other materials upon request
- finishing processes like **slide grinding** or **glass bead blasting** after turning / milling to remove sharp edges and to generate a blank surface
- other surface treatments through cooperation: e.g. passivation, anodization, galvanization and many more
- validation of components by optical as well as tactile measurements with 3D coordinate measuring systems