



Range of PRONTOR GmbH



PRONTOR GmbH

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Certification

- § DIN ISO 9001
- § DIN ISO 13485
- § DIN ISO 14001
- § OHSAS 18001

Research & Development

- § Pro Engineer aided design
- § Documentation accordant DIN ISO, FDA or customers' require
- § Simulation and FEM (finite elements method)
- § 3D-Printer for functional ABS prototype parts
- § Functional measurement of electric components & long-term tests
- § EMC (electromagnetic compatibility) aided engineering

Mechanical Processing

Precision Mechanics

- § Thread whirling units for multi-start threads
- § Riveting and jointing technologies

CNC - Manufacturing

- § Lathes up to Ø 400 mm
- § Lathes with automatic bar feed up to Ø 90mm
- § 4 axles milling up to 800 x 800 x 800mm
- § 5 axles milling up to 700 x 600 x 500mm

Special Manufacturing & Prototyping

- § Prototypes and functional models
- § Component part and limited-lot production
- § Manufacturing of production tools

Assembly

- § Assembly of devices and structural components
 - § if required in clean room environment
 - § ESD – sensitive parts
- § Limited- and medium-lot production
- § Integration of electric and electronic components
- § Assembly and adjustment of optical devices
- § System-level integration
- § Devices safety test

Surface Treatment

Pretreatment

- § Glass bead blasting
- § Sandblasting
- § Cleaning of work parts
- § Barrel finishing

Electroplating

- § Anodizing (black and uncolored)
- § Aluminum conversion coatings (Chromate (VI) free) RoHS– conform
- § Electrolytic and chemical nickel plating
- § Electrolytically galvanizing
- § “Blaubeizen”
- § Passivating of rust-proof steel

Varnishing

- § Wet varnishing in cabinets up to 1600 x 800 x 800 mm
- § Wet varnishing in automatic cabinets up to 300 x 300 x 300mm
- § Texture finish from smooth to coarse structure possible (dull/ -silk or high-gloss)
- § Top coat (dull/ -silk or high-gloss)
- § Clear varnish (dull/ -silk or high-gloss)
- § Conductive lacquer
- § Lubricating varnish
- § Reflection reduced lacquer
- § Baking finish (max. up to 200°C possible)
- § “Hammerlack” or Softcoating

Letterings & Markings

- § Screen printing, cylindrical and flat
- § Pad printing

Quality Assurance

Measure Equipment

- § Carl Zeiss Prismo Vast
- § Hardness testing machines i.a. class 3
- § Carl Zeiss gauge inspection equipment ULM 600
- § Dial gauge inspection station RS1
- § Hommel Profiltester T 2000

Final Inspection

- § Testing of electrical safety
- § Testing of the mechanical function
- § Cable test equipment