

Performance overview

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pfefferkorn

Toolmaking

1. Consulting, development, design and production of injection moulds

- 1.1 CAD construction
3D CAD system Unigraphics NX 12
- 1.2 Manufacturer of plastic injection moulds, all kinds
max size 800 x 500 mm
- 1.3 Manufacturer of individual devices
- 1.4 Development of plastic prototypes in 3D printing

2. Services and contract work on modern CNC-controlled machine tools for single parts and small batches among others in the areas of:

- 2.1 CNC turning
max. Diameter 200 mm
- 2.2 CNC milling
Working range x y x 800 x 500 x 610 mm incl.
Swiveling NC rotary table; (5-axes)
- 2.3 CNC sinker EDM
Working range x y z 520 x 320 x 300 mm
- 2.4 Surface grinding
Working range x y z 1000 x 550 mm

3. For measuring tasks or for quality assurance, a 3-D coordinate measuring machine is used.

4. Furthermore, we offer the repair and overhaul of your injection moulds

Injection moulding

- Machine park consisting of
Arburg, DEMAG, Ferromatik Milacron, Haitian
- Holding force currently 350 kN to max. 2,500 kN
- Injection weight from currently 0.4 g to max. 600 g (hp)
- Injection molded thermoplastic parts
- Processing of all common types of plastic except of PVC
- Use of metal substitutes
- Boring tools
- 2-K technology
- Injection of inserts

Other services

- 3-D printing
- Pressing in inserts
- Laser marking
- Screen and tampon print
- Metallization
- Painting, inking
- Hot foil stamping
- Ultrasonic welding
- Assembly of structural components
- Assembling
- Post processing

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