



**KAIPLASTICS**

**Company presentation**  
**Kai Plastics GmbH & Co. KG**

*Expertise in plastics processing*  
*at 3 locations*

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**Kai Plastics GmbH & Co. KG**  
Bad Berleburg | Lüdenscheid | Troisdorf

1. About us
  1. Locations
  2. Kai Capital
2. Main competences
3. Quality Management
4. Our customers
5. Products from Kai Plastics





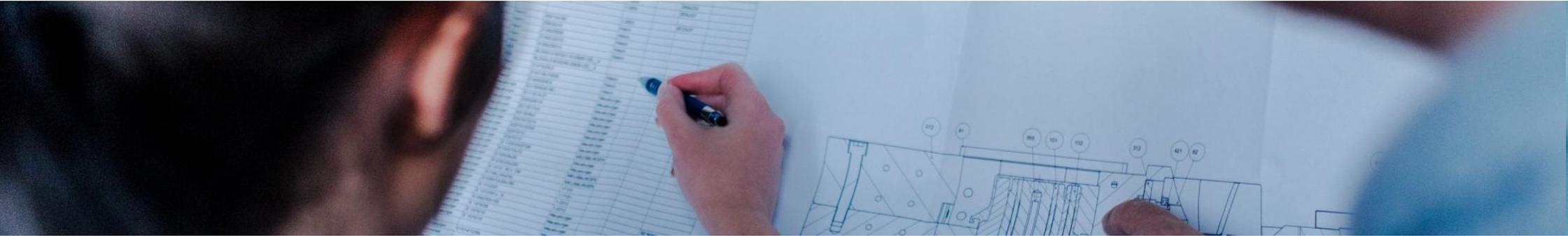
- ✓ **Kai Plastics is part of the Kai Capital Holding**
  
- ✓ **Synergies in Procurement, Technology and Sales at three locations**
  
- ✓ **Strong partner, from the idea till serial-production**
  
- ✓ **Innovative production processes (foaming, robot assembly, ...)**
  
- ✓ **Access to further companies of the holding**
  - ✓ **i.E. Kaiser Oberflächentechnik**



The Kai Capital Holding has taken over the following companies as part of the succession plan:

- ✓ **Carpentier Packaging GmbH**
- ✓ **ConceptColor GmbH**
- ✓ **Effytec S.A.**
- ✓ **Hassia-Redatron GmbH**
- ✓ **Kai Plastics GmbH & Co. KG**
- ✓ **Kaiser GmbH Oberflächentechnik**
- ✓ **Portawin GmbH**

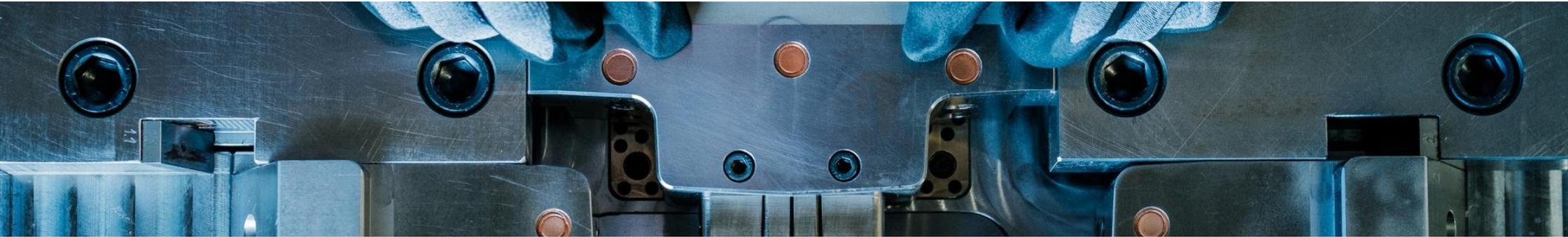




- ✓ **Product development**
- ✓ **In-house development of automatic assembly machines**
- ✓ **Rheological and thermal analysis**
- ✓ **Calculation of mechanical strength**
- ✓ **Prototyping**

*„We have to be more than just a supplier. We are your strong partner from the idea, through series production, to the end of the product life cycle.“*

Eduard Frese – Managing Director

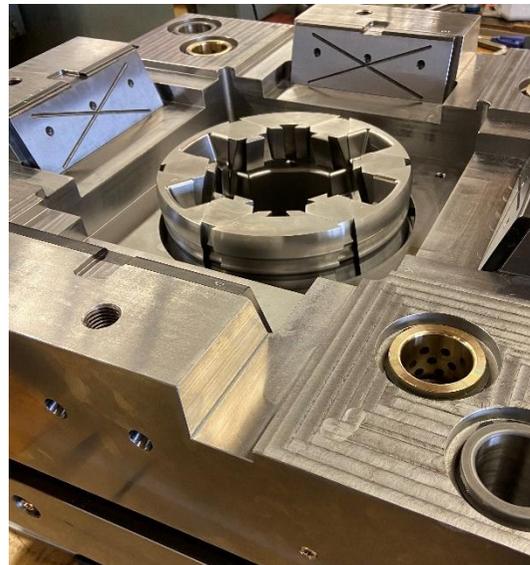


### ✓ Manufacturing processes

- ✓ **CNC-milling**
- ✓ **CNC-die sinking**
- ✓ **CNC-turning**
- ✓ **Wire eroding**

### ✓ Emphasis at a glance:

- ✓ **Unscrewing tools**
- ✓ **2K-tooling**
- ✓ **High surface requirement**
- ✓ **Multitooling for small components with close tolerances**
- ✓ **In-house tool construction**
- ✓ **Tools for magnet injection molding**
- ✓ **Tooling sizes up to 600 x 800 mm**





- ✓ **Sealing material applied directly onto your components**
- ✓ **Applicable onto nearly every surface**
- ✓ **Corresponds to the latest state-of-the-art**
- ✓ **Innovative, closed-cell Penguin Foam**
- ✓ **Protection against moisture, humidity, dust and dirt**





# Main competence – DIN articles



✓ **Screws, screw nuts and washers made of plastic similar to DIN**

✓ **Plastic dowels**



## Products



Wing nut M10  
similar to DIN315



Wing nut M6  
similar to DIN315



Wing nut M8  
similar to DIN315



Cap nut M10  
similar to DIN1587



Cap nut M12  
similar to DIN1587



Cap nut M3  
similar to DIN1587



Cap nut M4  
similar to DIN1587



Cap nut M5  
similar to DIN1587



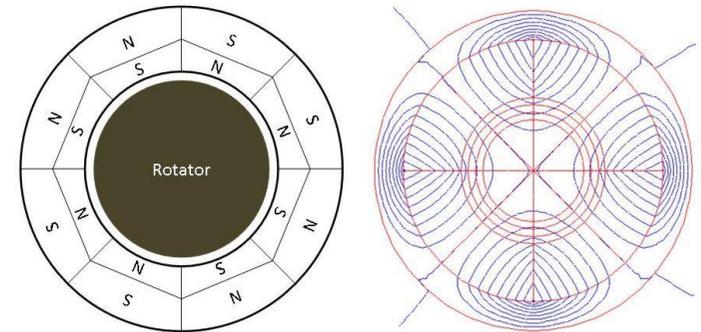
Cap nut M6  
similar to DIN1587



Cap nut M8  
similar to DIN1587



- ✓ **2K-Injection moulding**
  - ✓ **Hard- Softarticles**
  - ✓ **Application with sealing elements**
  - ✓ **Metal combinations**
  
- ✓ **Metal replacement**
  
  
- ✓ **Magnet injection moulding**
  - ✓ **Latest Technology: Granulate with magnetizable fillers additives**
  
  
- ✓ **Insert- / Hybrid technology**



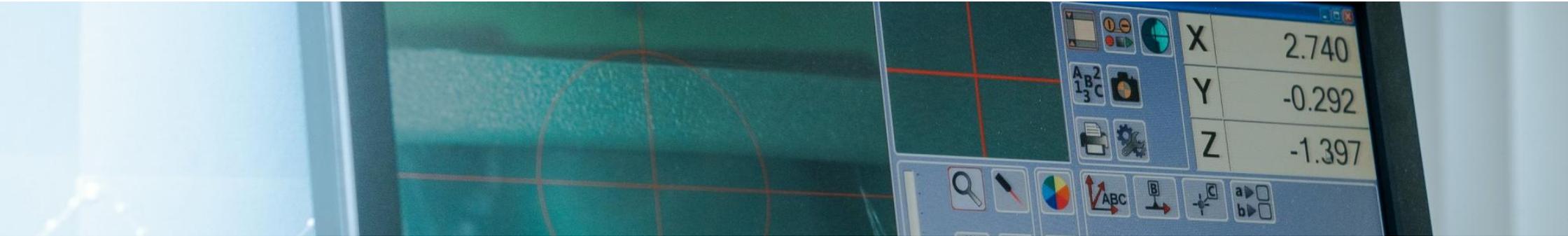


## Assembly for end-to-end system solutions

- ✓ Semi- or fully automated assembly of components incl. camera-supported controls
- ✓ For lot sizes from 1 – 1.5 million parts per year
- ✓ Mechanical processing
- ✓ Confectioning and printing



# Main competence – Quality control



- ✓ **Our quality certifications**
  - ✓ **DIN ISO 9001**
  - ✓ **HPQ acc. DB-Standard DBS918235, DBS918280**
  
- ✓ **Our target: Zero-Defect-Quality**

*„We convince our customers with outstanding production quality and we guarantee this quality on the basis of coordinated testing plans.“*

Frank Spieles - Quality

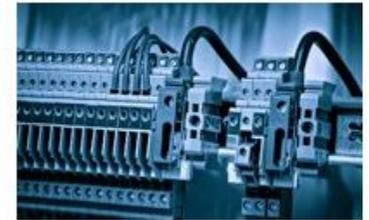




✓ **Automotive**

✓ **Medical technology**

✓ **Electro technology**



✓ **Railroad**



✓ **Aerospace**

✓ **Agriculture**

# Our customers



KAIPLASTICS







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**Thank you for your attention!**