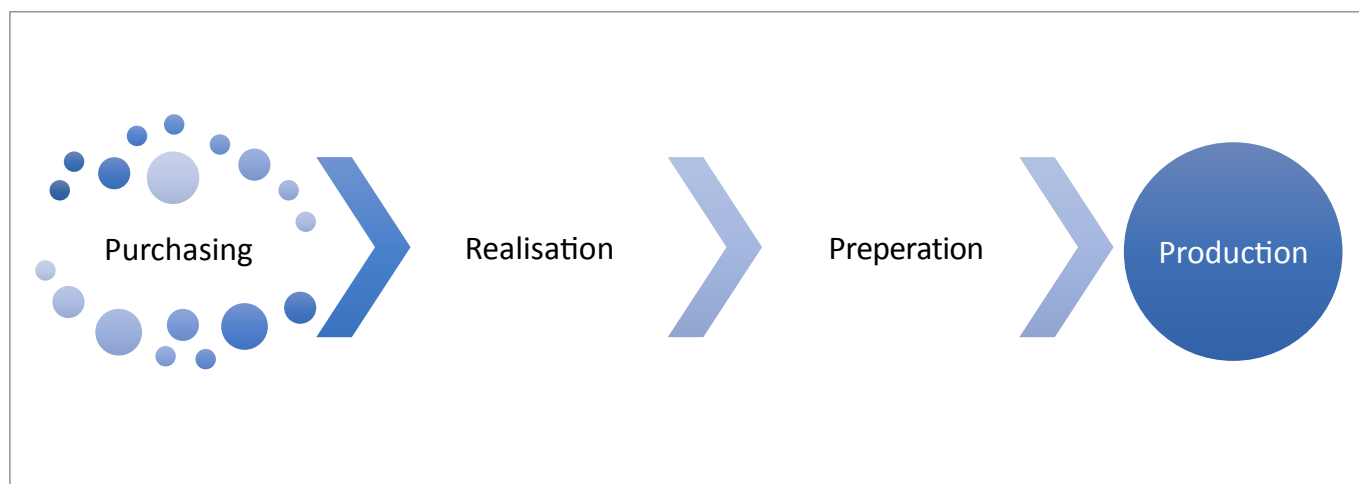


## Our work & services — your success



As an efficient partner for your success, HEWI offers broad-based expertise along the whole route to your product, from the initial development through to series production.

### Your vision: From the design to the series product

- Starting with a model or a drawing
- Transfer into our 3D system – Siemens NX / CATIA
- Design of the product as an economic injection moulding
- Rapid prototyping
- Material selection and testing, strength calculations
- Working through requirements specifications – preparation of performance specifications
- Design FMEA

### Your requirements: Comprehensive project planning

- Definition of all specific characteristics, requirements and quality objectives
- Preparation of a production plan: Logistics from raw material through to delivery
- Advance quality planning, process FMEA, test & inspection planning
- Definition of all resources, supplies and auxiliaries required
- Purchasing, installation, enabling, training, process validation
- Comprehensive project management: Customer requirements, scheduled dates/deadlines, costs

### Injection moulds

- Fill analysis with Mold Flow: analysis of weld lines and stresses
- Selection of the ideal mould concept
- Thermal analysis of the product: distortion and dimensional stability
- Mould design in 2D and 3D
- Definition of the required process monitoring: sensors and scanning systems such as HB-Therm Flow or Kistler pressure sensors
- Mould production in Germany or with worldwide partners
- In-house mouldmaking

## From the preliminary sample through to series production

- Product support from the first-off tool parts until handover to series production: tests, samples, changes, assembly trials, automation
- Verification of process capability
- Comprehensive testing options due to in-house laboratory and measurement & test room
- Revision of the process FMEA: Feedback to the design phase
- Clearing and start of series production: Presentation of the initial samples with test reports

## Company facts & figures

- More than 70 injection moulding machines: 22 to up to 1600 to (DEMAG, Ferromatik, Arburg, Engel, Krauss-Maffei)
- 550 employees
- Our own brand products and manufacturing of different engineering plastic products
- Automation: articulated robots, linear equipment, drying equipment, driers, assembly lines and assembly machines
- Production methods: standard injection moulding, 2 and 3-component technique, mono-sandwich, gas injection technique, moulding in inserts made of steel, plastic or electronic parts, in-mould decoration of films using the „SKIN LINE“ process
- Production of high-quality surfaces: painting/enamelling, electroplating and coating with partner companies
- Assembly of subassemblies, welding of plastic products, printing and assembling through to the finished sales packaging
- Delivery to the customer: Use of different container systems and worldwide delivery

## Certified quality

- Certified by EN ISO 9001:2015
- Environmental management by EN ISO 14001:2015
- Medical devices by EN ISO 13485:2016
- Energy management by EN ISO 50001:2011

## Satisfied customer world



**HEWI Heinrich Wilke GmbH**  
Bereich Kunststofftechnik