Evaluated potential of temperature

concepts for mould inserts

Functionally optimized injection mould

## **Injection Mould Insert**

Enabling Industries Through Functionally Optimized Injection Mould Inserts

#### **Motivation and Relevance**

- Injection moulding of small series economically inefficient due to high expenses and lead times correlating with tool development
- Relevant for manufacturing companies (AM users)

#### Approach

**Results** 

inserts

- Iterative product development (AM technology: PolyJet®)
- Testing of various tempering concepts (active/passive)
- Focus on cooling concept (pressured air, convection, water cooling) and multi-material mould inserts

### **Research Area**

 Additive tooling for economic injection moulding of small series

#### Partners



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## Contact



**Picture** 



Shortened Product Development

Functional Optimization

Economic Small Series