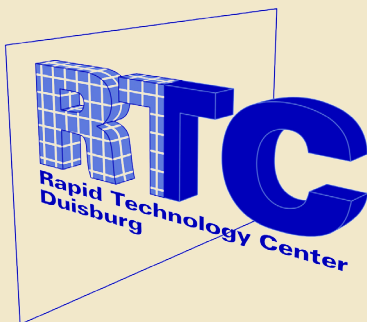


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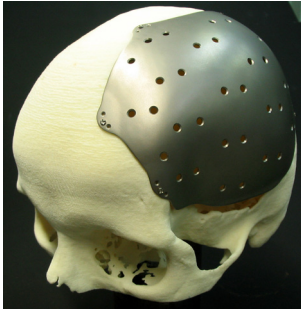
Fertigungstechnik  
Universität Duisburg-Essen



***Additive Manufacturing Processes***  
*Tool-less fabrication of materials*

Research at the **Rapid Technology Center (RTC)** of the University of Duisburg-Essen focuses on the problems arising on the road from rapid prototyping (RP) to rapid manufacturing (RM).

Some examples of the research topics at the RTC include qualification of new materials, deepening process knowledge and understanding, RM-compatible design, the development of medical instruments, and exploring new fields of application for tool-less manufacturing.



Surgical planning on a generatively fabricated model of the skull

### *Main areas of research:*

- Machine optimization and process monitoring
- Fundamental process understanding
- Qualification of new materials
- RM-compatible design
- Integration of special functions in products



### **Contact**

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MEDICA, Düsseldorf, 16–19 November 2011, Hall 3 Stand D81 (8)  
Joint Stand of the State of North Rhine-Westphalia