

Innovative research through transregional cooperations



Auf einen Blick

- Cooperation between IFUM, IW and IUL
- Joint projects, for example within CRC Transregio 73
- Focus: sheet metal massive forming

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IFUM/IW/IUL | Teamwork is the road to success – research is no exception. The Hannover institutes IFUM and IW are in close cooperation with their colleagues at the Dortmund institute IUL, jointly developing new manufacturing technologies such as sheet metal massive forming.

For more than five years, researchers from Hannover and Dortmund have successfully been working on various joint projects - for example within the scope of the Collaborative Research Center Transregio (CRC/TR) 73. The Institute of Forming Technology and Machines (IFUM) develops new methods for sheet metal massive forming and investigates them by experiments. Afterwards, the Institute of Forming Technology and Lightweight Construction (IUL) develops a simulation model for mapping realistically whether components were locally damaged by the forming process. In the end, the Institute of Materials Science (IW) examines heavily stressed areas by microstructural analysis.

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