

Expansion of the Niedersächsischen Lernfabrik für Ressourceneffizienz (NiFaR) [Lower Saxon "learning factory" for resource efficiency]
Sub-project "Material-efficient manufacturing technologies"

Project management: Prof. Dr.-Ing. Holger Brüggemann

Summary: The basic idea around this project is to develop a practice-oriented training concept for companies, in a "learning factory". "Practice-oriented" in this case means that participants will have the opportunity to implement theoretically-mediated approaches in practice, and to directly experience the savings potential of material efficiency. The NiFaR is therefore to be extended to include training modules dealing with increasing material efficiency. In terms of content, three modules are envisaged, involving material-efficiency measures in respect of material-efficient product design, material-efficient manufacturing technologies and material efficiency in the production process. The theoretical part of the course content is to be taught through practical examples in the production environment. Within the framework of this sub-project, the module on "Material-efficient manufacturing technologies" is to be developed.

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Organisational unit: Faculty of Mechanical Engineering

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