

# RILE Lightweight Design GmbH

## About this organisation

### Machine translation

This profile has been machine-translated based on data provided in German.

In addition to autoclave technology, we are of course also very familiar with out-of-autoclave, vacuum infusion, wet pressing, manual wet laminate, RTM and melt core technology. melt core technology and can draw on over 15 years of experience in this field. Your projects will be completed by a dedicated team, with the necessary enthusiasm for the material, to a high standard of quality and on time.

- Feasibility analysis - project management - development  
- Design/calculation - Model and mould construction -  
Prototypes through to series production

Graflinger Str. 224  
94469 Deggendorf  
Bavaria  
Germany  
[www.rile-lightweight.com](http://www.rile-lightweight.com)



### Organisation type

Small or medium-sized enterprise

### Sectors



### Employees

10 up to 49

### Turnover

n/a

### Funding

n/a

### Main areas covered

Composite components, Additive manufacturing

### Infrastructure

Autoclave, Cutter, Pressing technology, RTM

### Certifications

ISO 9001

### Keywords

Ceramics, Metal-ceramic composites, Ceramic fibres, Textile technology, CFRP

### Memberships

## Overview of lightweighting expertise

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	Research	Development	Manufacturing & Supply
<b>Offer</b>			
<b>Products</b> Parts and components, Semi-finished parts, Materials, Tools and moulds		✓	✓
<b>Services &amp; consulting</b> Prototyping, Validation, Technology transfer		✓	✓
<b>Field of technology</b>			
<b>Design &amp; layout</b> Lightweight manufacturing, Lightweight design, Hybrid structures, Lightweight construction concepts		✓	✓
<i>Functional integration</i>			
<i>Measuring and testing technology</i>			
<i>Modelling and simulation</i>			
<b>Plant construction &amp; factory automation</b> Plant construction, Automation technology, Handling technology, Robotics		✓	✓
<i>Recycling technologies</i>			

## Overview of lightweighting expertise

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	Research	Development	Manufacturing & Supply
<b>Manufacturing process</b>			
<b>Additive manufacturing</b> 3D printing, Laminated object manufacturing (LOM), Selective laser melting (SLM, LPBF, ...), Selective laser sintering (SLS), Stereolithography			✓
<i>Coating (surface engineering)</i>			
<b>Fibre composite technology</b> Manual lamination, Resin infusion process, Resin transfer moulding, Pre-preg processing, Vacuum infusion		✓	✓
<i>Forming</i>			
<b>Joining</b> Adhesive bonding			✓
<i>Material property alteration</i>			
<i>Primary forming</i>			
<b>Processing and separating</b> Drilling, Turning, Milling, Sawing, Grinding			✓
<i>Textile technology</i>			

Overview of lightweighting expertise

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	Research	Development	Manufacturing & Supply
Material			
Biogenic materials			
Cellular materials (foam materials)			
Composites			
Fibres			
Functional materials			
Metals			
Plastics			
Structural ceramics			
(Technical) textiles			

Contacts

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This profile has been machine-translated based on data provided in German.

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