

Nieke Composites GmbH

About this organisation

Machine translation

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

Nieke Composites specialises in the development and production of components made from fibre-reinforced plastics. Our products are used in motorsport, safety technology and mechanical engineering. Thanks to the highest quality standards, proximity to the customer and the constant drive towards innovative solutions, the company has been able to grow strongly in recent years and establish itself on the market as a composite manufacturer.

In order to maximise the lightweight construction potential of each component, we rely on lightweight materials and constructive lightweight construction. We use all common processes for the production of fibre-reinforced plastics. We primarily use carbon fibres and glass fibres with thermoset matrix systems, but also more exotic fibre types. In addition to lightweight material construction, we also go to the very limits of constructive lightweight construction together with our customers. By optimising wall thicknesses, using sandwich structures and designing fibre-reinforced plastic components to suit the load path, we consistently achieve success in reducing the weight of components.

Rudolf-Diesel-Straße 5
71106 Magstadt
Baden-Württemberg
Germany
www.nieke-composites.de

Main areas covered CFRP production and development

Infrastructure

Certifications ISO 9001

Keywords

Memberships



NIEKE COMPOSITES

Organisation type

Small or medium-sized enterprise

Sectors



Employees

50 up to 249

Turnover

n/a

Funding

n/a

Nieke Composites GmbH

Overview of lightweighting expertise

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	Research	Development	Manufacturing & Supply
Offer			
Products Parts and components, Systems and end products, Tools and moulds	✓	✓	✓
<i>Services & consulting</i>			
Field of technology			
Design & layout Lightweight manufacturing, Lightweight design, Hybrid structures, Lightweight construction concepts, Lightweight material construction	✓	✓	✓
<i>Functional integration</i>			
Measuring and testing technology Component and part analysis, Visual analysis (e.g. microscopy, metallography), System analysis, Materials analysis, Destructive analysis, Non-destructive analysis			✓
Modelling and simulation Crash behaviour, Loads & stress, Multiphysics simulation, Optimisation, Structural mechanics, Materials		✓	✓
Plant construction & automation Plant construction, Handling technology	✓	✓	✓
<i>Recycling technologies</i>			

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Overview of lightweighting expertise

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	Research	Development	Manufacturing & Supply
Manufacturing process			
<i>Additive manufacturing</i>			
Coating (surface engineering) Painting			✓
Fibre composite technology Manual lamination, Resin infusion process, Resin transfer moulding, Pre-preg processing, Vacuum infusion	✓	✓	✓
<i>Forming</i>			
Joining Hybrid joining, Adhesive bonding, Riveting, Screwing, Welding		✓	✓
<i>Material property alteration</i>			
<i>Primary forming</i>			
Processing and separating Drilling, Turning, Milling, Sawing, Grinding, Cutting			✓
Textile technology Preforming			✓

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	Research	Development	Manufacturing & Supply
Material			
<i>Biogenic materials</i>			
<i>Cellular materials (foam materials)</i>			
Composites Aramid fibre composites, Basalt fibre-reinforced plastic, Glass-fiber reinforced plastics (GFRP), Carbon-fiber reinforced plastics (CFRP), Laminates	✓	✓	✓
<i>Fibres</i>			
<i>Functional materials</i>			
<i>Metals</i>			
<i>Plastics</i>			
<i>Structural ceramics</i>			
<i>(Technical) textiles</i>			

Contacts

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