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

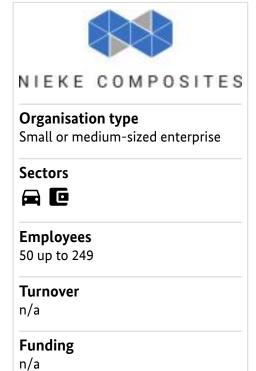
CFRP production and development

Infrastructure

Certifications ISO 9001

Keywords

Memberships



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Overview of lightweighting expertise **Machine translation** This organisation has been machine-translated based on data provided in German. Manufacturing & Supply Research Development Offer **Products** Parts and components, Systems and end products, Tools and moulds Services & consulting Field of technology Design & layout Lightweight manufacturing, Lightweight design, Hybrid structures, Lightweight construction concepts, Lightweight material construction Functional integration 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 Recycling technologies

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Overview of lightweighting expertise **Machine translation** This organisation has been machine-translated based on data provided in German. Manufacturing **Development** & Supply Research Manufacturing process Additive manufacturing **Coating (surface engineering) Painting** Fibre composite technology Manual lamination, Resin infusion process, Resin transfer moulding, Pre-preg processing, Vacuum infusion Forming **Joining** Hybrid joining, Adhesive bonding, Riveting, Screwing, Welding Material property alteration Primary forming **Processing and separating** Drilling, Turning, Milling, Sawing, Grinding, Cutting **Textile technology** Preforming

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Overview of lightweighting expertise

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

Contacts

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Contacts

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