#### **SMES**

#### About this organisation

#### **Machine translation**

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

Fiber Engineering has been involved in 3D moulded part production with staple fibres using FIM injection moulding technology since 2003. FIM is suitable for directly manufactured components with 3D contours without the diversions of producing semi-finished products.

The service portfolio of Fiber Engineering with FIM blow-in technology includes - Advice on fibre technology, recycling concepts, - Development and production of 3D fibre parts with little/no waste, - Production of quantities from 1 - 20,000/year, - Production of moulds and systems (prototype/series), - Service worldwide

Schoemperlenstraße 11c-d 76185 Karlsruhe Baden-Württemberg Germany ☐ fiber-engineering.de/



Main areas covered	FIM fibre injection systems, FIM fibre injection tools, FIM Prototypes, FIM small series (up to 40k)
Infrastructure	Pilot plant
Certifications	ISO 9001
Keywords	Fibre blowing technology, FIM Fibre Injection Moulding, 3D moulded fibre parts
Memberships	

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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 Offer **Products** Parts and components, Machines and plants **Services & consulting** Testing and trials, Prototyping, Maintenance and repair Field of technology **Design & layout** Lightweight manufacturing, Hybrid structures, Lightweight construction concepts, Lightweight material construction **Functional integration** Material functionalisation, Others (Improved properties through targeted local density variations in 3D moulded fibre parts.) Measuring and testing technology Modelling and simulation Plant construction & automation Plant construction, Automation technology **Recycling technologies** Recycling, Upcycling

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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) Fibre composite technology Fibre spraying, Resin transfer moulding, Others (FIM fibre injection technology in combination with other materials and fabrics.) Forming Joining Material property alteration **Primary forming** Processing and separating **Textile technology** Nonwoven & mats production, Others (FIM fibre injection moulding technology. Highly efficient production of 3D fibre moulded parts in terms of material and energy consumption.)

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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 Material Biogenic materials Cellular materials (foam materials) Composites Aramid fibre composites, Basalt fibre-reinforced plastic, Glass-fiber reinforced plastics (GFRP), Ceramic matrix composite (CMC), Carbonfiber reinforced plastics (CFRP), Natural fibre reinforced plastics (NFRP), Laminates **Fibres** Functional materials Metals **Plastics** Structural ceramics (Technical) textiles Nonwovens, mats

#### **Contacts**

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# **Fiber Engineering GmbH** *SMES*

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