

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/



Organisation type

Small or medium-sized enterprise

Sectors



Employees

Up to 9

Turnover

Up to €2m

Funding

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	
--------------------	--

Overview of lightweighting expertise

Machine translation

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

	Research	Development	Manufacturing & Supply
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.)		✓	✓
<i>Measuring and testing technology</i>			
<i>Modelling and simulation</i>			
Plant construction & automation Plant construction, Automation technology		✓	✓
Recycling technologies Recycling, Upcycling		✓	✓

Overview of lightweighting expertise

Machine translation

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

	Research	Development	Manufacturing & Supply
Manufacturing process			
<i>Additive manufacturing</i>			
<i>Coating (surface engineering)</i>			
Fibre composite technology Fibre spraying, Resin transfer moulding, Others (FIM fibre injection technology in combination with other materials and fabrics.)		✓	✓
<i>Forming</i>			
<i>Joining</i>			
<i>Material property alteration</i>			
<i>Primary forming</i>			
<i>Processing and separating</i>			
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.)	✓	✓	✓

Overview of lightweighting expertise

Machine translation

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

	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), Ceramic matrix composite (CMC), Carbon-fiber reinforced plastics (CFRP), Natural fibre reinforced plastics (NFRP), Laminates		✓	✓
<i>Fibres</i>			
<i>Functional materials</i>			
<i>Metals</i>			
<i>Plastics</i>			
<i>Structural ceramics</i>			
(Technical) textiles Nonwovens, mats		✓	✓

Contacts

Machine translation

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

Contacts

Mr Egon Förster

CEO

e.foerster@fiber-engineering.de