Fiber Engineering GmbH

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/

FIBER ENGINEERING
FIBER BLOWING TECHNOLOGIES

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	

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Overview of lightweighting expertise

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	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.)		✓	✓
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

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	Research	Development	Manufacturing & Supply
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

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

Contacts

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Contacts

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