

About this organisation

Machine translation

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

FIT is a globally recognised specialist in additive design and additive manufacturing. For more than 25 years, we have put our heart and soul into additive manufacturing, also known as industrial 3D printing. The processes are very different, but they have one thing in common: they are built up in layers.

Biometric design, lightweight construction, integrated functions, one-piece production. Whatever your idea, additive design knows almost no limits. Based on parametric models, algorithms and state-of-the-art software tools, we offer a wide range of design and construction solutions to help you develop pioneering products for a successful future.

Am Grohberg 1
92331 Lupburg
Bavaria
Germany
fit.technology



Organisation type

Small or medium-sized enterprise

Sectors



Employees

50 up to 249

Turnover

€10m - €50m

Funding



About this organisation

Main areas covered	Prototyping, Additive manufacturing, Technology development, Rapid Tooling, Spare parts
Infrastructure	Extensive quality assurance
Certifications	ISO 9001, ISO 13485, Tisax, FDA Approval
Keywords	Laser melting LM, Stereolithography SLS, Selective Laser Sintering SLS, Selective Cement Activation SCA, Fused Deposition Dodeling FDM
Memberships	

Overview of lightweighting expertise

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Manufacturing
Research Development & Supply

Offer

Products

Parts and components, Semi-finished parts,
Machines and plants, Systems and end
products, Materials, Tools and moulds



Services & consulting

Consulting, Distribution, Testing and trials,
Funding, Engineering, Standardisation,
Prototyping, Validation, Simulation, Technology
transfer



Overview of lightweighting expertise

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Field of technology	Research	Development	Manufacturing & Supply
	Research	Development	Manufacturing & Supply
Design & layout Lightweight manufacturing, Lightweight design, Hybrid structures, Lightweight construction concepts	✓	✓	✓
Functional integration Actuator technology, Media conductivity, Sensor technology, Thermal activation, Material functionalisation	✓	✓	✓
Measuring and testing technology Component and part analysis, Visual analysis (e.g. microscopy, metallography), Materials analysis, Destructive analysis, Non-destructive analysis	✓	✓	✓
Modelling and simulation Loads & stress, Optimisation, Processes	✓	✓	
Plant construction & automation Plant construction, Automation technology, Handling technology, Robotics	✓	✓	✓
Recycling technologies Recycling			✓

Overview of lightweighting expertise

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	Research	Development	Manufacturing & Supply
Manufacturing process			
Additive manufacturing 3D printing, Deposition welding, Electron beam melting, Fused deposition modeling, Selective laser melting (SLM, LPBF, ...), Selective laser sintering (SLS), Stereolithography	✓	✓	✓
Coating (surface engineering) Galvanising, Painting	✓	✓	✓
Fibre composite technology Casting (concrete), Manual lamination, Resin infusion process, Resin transfer moulding, Pre-preg processing, Vacuum infusion			✓
Forming Bending			✓
Joining Adhesive bonding, Soldering, Screwing, Welding			✓
<i>Material property alteration</i>			
Primary forming Casting, Injection moulding			✓
Processing and separating Drilling, Turning, Milling, Electrical discharge machining, Sawing, Shearing/punching, Grinding, Cutting	✓	✓	✓
<i>Textile technology</i>			

Overview of lightweighting expertise

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Material	Research	Development	Manufacturing
			& Supply
Biogenic materials Bioplastics, Biocomposites, Wood	✓	✓	✓
Cellular materials (foam materials) Closed-pore, Open-pore			✓
<i>Composites</i>			
Fibres Glass fibres			✓
<i>Functional materials</i>			
Metals Aluminium, Intermetallic alloys, Steel, Titanium			✓
Plastics Thermoset plastics, Elastomers, Thermoplastics			✓
<i>Structural ceramics</i>			
<i>(Technical) textiles</i>			

Contacts

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Contacts

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