

## 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](https://fit.technology)



### Organisation type

Small or medium-sized enterprise

### Sectors



### Employees

50 up to 249

### Turnover

€10m - €50m

### Funding



## About this organisation

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

## Overview of lightweighting expertise

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	Research	Development	Manufacturing & Supply
<b>Offer</b>			
<b>Products</b> Parts and components, Semi-finished parts, Machines and plants, Systems and end products, Materials, Tools and moulds	✓	✓	✓
<b>Services &amp; consulting</b> Consulting, Distribution, Testing and trials, Funding, Engineering, Standardisation, Prototyping, Validation, Simulation, Technology transfer	✓	✓	✓

## Overview of lightweighting expertise

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

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

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

## Contacts

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Contacts

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CTO

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