

About this organisation

Machine translation

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

In order to secure the long-term success of the company and thus jobs, we want to fulfil our customers' expectations. We place customer satisfaction at the centre of our daily activities and constantly drive forward the continuous improvement process.

As a product of our technical embroidery and using Tailored Fibre Placement TFP technology, we manufacture reinforcement structures that can withstand the highest demands. The components are used, for example, in areas where a lightweight design and high stability are required. These include the automotive sector, aviation, sports equipment and accessories and the medical sector. The demand for our innovative embroidery technology continues to grow thanks to a constant stream of new applications. However, it is not only the weight reduction and stability that speak in favour of using reinforcing structures; depending on the requirements and application, the positive properties such as temperature resistance, corrosion resistance and acid protection are also an important point.

Hermann-Burkhardt-Straße 7
72793 Pfullingen
Baden-Württemberg
Germany
www.digel-sticktech.de



Organisation type

Small or medium-sized enterprise

Sectors



Employees

10 up to 49

Turnover

€2m - €10m

Funding



Digel Sticktech GmbH & Co. KG

About this organisation

Main areas covered	Tailored fibre placement (TFP)
Infrastructure	Continuous fibre-reinforced Themoplast
Certifications	ISO 9001; ISO 14001
Keywords	Tailored fibre placement; preform
Memberships	AFBW

Overview of lightweighting expertise

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	Research	Development	Manufacturing & Supply
Offer			
Products Parts and components, Semi-finished parts	✓	✓	✓
Services & consulting Prototyping	✓	✓	✓

Overview of lightweighting expertise

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	Research	Development	Manufacturing & Supply
Field of technology			
Design & layout Lightweight manufacturing, Hybrid structures, Lightweight construction concepts	✓	✓	✓
Functional integration Actuator technology, Media conductivity, Sensor technology, Thermal activation, Material functionalisation		✓	✓
Measuring and testing technology Non-destructive analysis			✓
Modelling and simulation Optimisation, Processes			✓
<i>Plant construction & automation</i>			
<i>Recycling technologies</i>			

Overview of lightweighting expertise

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	Research	Development	Manufacturing & Supply
Manufacturing process			
<i>Additive manufacturing</i>			
Coating (surface engineering) Painting			✓
Fibre composite technology Pre-preg processing			✓
Forming Thermal converting			✓
Joining Soldering, Sewing			✓
<i>Material property alteration</i>			
Primary forming Injection moulding			✓
Processing and separating Shearing/punching, Cutting			✓
Textile technology Preforming, Knitting, laid web production			✓

Overview of lightweighting expertise

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	Research	Development	Manufacturing & Supply
Material			
Biogenic materials Bioplastics			✓
Cellular materials (foam materials) Closed-pore, Open-pore, Syntactic foams			✓
Composites Aramid fibre composites, Basalt fibre-reinforced plastic, Glass-fiber reinforced plastics (GFRP), Carbon-fiber reinforced plastics (CFRP), Natural fibre reinforced plastics (NFRP)			✓
Fibres Aramid fibres, Basalt fibres, Glass fibres, Ceramic fibres, Carbon fibres, Metal fibres, Natural fibres		✓	✓
<i>Functional materials</i>			
<i>Metals</i>			
Plastics Thermoset plastics, Elastomers, Thermoplastics		✓	✓
<i>Structural ceramics</i>			
(Technical) textiles Yarns, rovings, Laid webs, Woven fabrics, Knitted fabrics, Nonwovens, mats			✓

Contacts

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Contacts

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