

About this organisation

Machine translation

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

We metallise carbon fibres in the form of roving and sheet material (fabric, scrims) with copper, tin and zinc, among others. This allows us to expand the range of properties of the fibres and the CFRP produced from them. We achieve an increase in functional properties such as electrical and thermal conductivity as well as an adhesion-enhancing effect and a metallic lustre in the typical carbon look.

Monofunctional load-bearing CFRP components are transformed into multifunctional components with inca-fibre technology: - integrated power line - electrical contactability (soldering) - electromagnetic shielding - antistatic properties - sensory and actuator functions - wear-resistant surfaces This enables weight savings to be realised and production costs to be reduced, as additional elements such as cables, connectors and metal grids are no longer required. We only use REACH-compliant, cyanide-free electrolytes for continuous electroplating. Homogeneous layer thicknesses in the sub- μm and μm range can be set according to the desired property profile.

Annaberger Straße 240
09125 Chemnitz
Saxony
Germany
www.inca-fiber.de



Organisation type

Small or medium-sized enterprise

Sectors

No specific sector

Employees

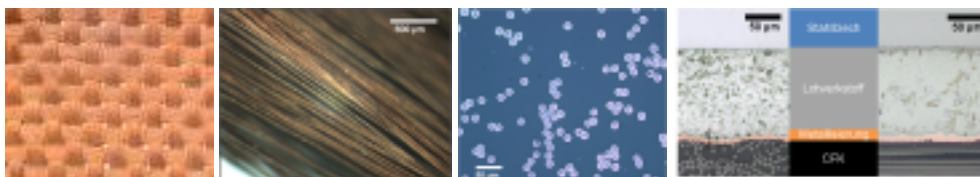
Up to 9

Turnover

Up to €2m

Funding

n/a



inca-fibre GmbH

About this organisation

Main areas covered	Metallisation of carbon fibres
Infrastructure	Coating systems
Certifications	
Keywords	Conductivity, shielding, adhesion
Memberships	

Overview of lightweighting expertise

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	Research	Development	Manufacturing & Supply
Offer			
Products			
Materials	✓	✓	✓
<i>Services & consulting</i>			
Field of technology			
<i>Design & layout</i>			
<i>Functional integration</i>			
<i>Measuring and testing technology</i>			
<i>Modelling and simulation</i>			
<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) Galvanising, Plasma process	✓	✓	✓
<i>Fibre composite technology</i>			
<i>Forming</i>			
Joining Soldering	✓	✓	✓
Material property alteration Thermochemical treatment, Heat treatment	✓	✓	✓
<i>Primary forming</i>			
<i>Processing and separating</i>			
<i>Textile technology</i>			

Overview of lightweighting expertise

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	Research	Development	Manufacturing & Supply
Material			
<i>Biogenic materials</i>			
<i>Cellular materials (foam materials)</i>			
Composites Carbon-fiber reinforced plastics (CFRP), Metal-fibre-polymer composite, Others (Fibre-reinforced metals)	✓	✓	✓
Fibres Carbon fibres	✓	✓	✓
<i>Functional materials</i>			
<i>Metals</i>			
<i>Plastics</i>			
<i>Structural ceramics</i>			
(Technical) textiles Yarns, rovings, Laid webs, Woven fabrics	✓	✓	✓

Contacts

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Contacts

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