

About this organisation

Machine translation

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

The companies and research institutes from the interdisciplinary thermoPre® alliance are striving to continue the R&D activities from the growth core and have joined forces to form the thermoPre e.V. research association. A key objective is to develop adaptive technologies to perfect the process chain for manufacturing fibre-reinforced thermoplastic semi-finished products and components.

The thermoPre® portfolio includes various textile reinforcement structures, partially and fully consolidated fibre-reinforced semi-finished products, load-bearing multi-layer composites, new technologies, innovative systems, sample components, expertise in calculation and design, as well as condensed interdisciplinary know-how along the entire value chain.

Technologie Campus 1
09126 Chemnitz
Saxony
Germany
www.thermopre.de

Main areas covered Single-stage direct processing

Infrastructure

Certifications

Keywords Thermoplastic semi-finished products, Semi-finished product manufacture, Further processing of semi-finished products, Large series, Single-stage direct processing

Memberships



Organisation type
Cluster

Sectors
No specific sector

Employees
10 up to 49

Turnover
n/a

Funding
n/a

Overview of lightweighting expertise

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	Research	Development	Manufacturing & Supply
Offer			
Products Parts and components, Semi-finished parts, Machines and plants, Materials	✓	✓	✓
Services & consulting Engineering, Prototyping	✓	✓	✓
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 & factory automation</i>			
<i>Recycling technologies</i>			
Manufacturing process			
<i>Additive manufacturing</i>			
<i>Coating (surface engineering)</i>			
<i>Fibre composite technology</i>			
<i>Forming</i>			
<i>Joining</i>			
<i>Material property alteration</i>			
<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>			
<i>Composites</i>			
Fibres			
Aramid fibres, Basalt fibres, Glass fibres, Carbon fibres, Metal fibres, Natural fibres	✓	✓	✓
<i>Functional materials</i>			
<i>Metals</i>			
<i>Plastics</i>			
<i>Structural ceramics</i>			
<i>(Technical) textiles</i>			

Contacts

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Network management

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