

About this organisation

Machine translation

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

thoenes® is a medium-sized company with 145 years of experience in the production of technical textiles in the form of cords and hoses. As a manufacturer of a wide range of products, in addition to sealing and insulating products, we also produce braids and small circular knitted fabrics for lightweight construction and technical applications, as well as continuous fibre-reinforced hollow profiles and steel-free reinforcement brackets for construction applications.

Modern braiding machines are used to process high-performance fibres such as carbon, glass and aramid into preforms and components. As part of successfully implemented R&D projects, processes and methods have been developed to produce thermoplastic hollow profiles with continuous fibre reinforcement on the one hand, and to produce reinforcement stirrups made of glass, carbon or basalt fibres on the other.

Zeppelinstraße 1
01665 Klipphausen
Saxony
Germany

www.thoenes-solutions.com



Organisation type

Small or medium-sized enterprise

Sectors

No specific sector

Employees

50 up to 249

Turnover

€2m - €10m

Funding



About this organisation

| | |
|---------------------------|--|
| Main areas covered | Lichens, Preforming, Prepreg wrapping |
| Infrastructure | Pressing station for roller cores |
| Certifications | DIN EN ISO 9001:2015, DIN EN ISO 14001:2015, DIN EN ISO 45001:2018 |
| Keywords | Lichens, Preforming |
| Memberships | Composites United e.V., futureTEX Partner, Energy Saxony e.V. |

Overview of lightweighting expertise

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| | Research | Development | Manufacturing & Supply |
|---|----------|-------------|---------------------------|
| Offer | | | |
| Products Parts and components, Semi-finished parts | | ✓ | ✓ |
| Services & consulting Testing and trials, 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 & automation</i> | | | |
| <i>Recycling technologies</i> | | | |

Overview of lightweighting expertise

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| | Research | Development | Manufacturing & Supply |
|--|----------|-------------|---------------------------|
| Manufacturing process | | | |
| Additive manufacturing | | | |
| Coating (surface engineering) | | | |
| Fibre composite technology Filament winding, Manual lamination, Pre-preg processing, Vacuum infusion, Others (Lichens) | ✓ | ✓ | ✓ |
| Forming | | | |
| Joining | | | |
| Material property alteration | | | |
| Primary forming | | | |
| Processing and separating | | | |
| Textile technology Braiding, Preforming, Knitting | ✓ | ✓ | ✓ |

Overview of lightweighting expertise

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| | Research | Development | Manufacturing & Supply |
|---|----------|-------------|---------------------------|
| Material | | | |
| <i>Biogenic materials</i> | | | |
| <i>Cellular materials (foam materials)</i> | | | |
| Composites Glass-fiber reinforced plastics (GFRP), Carbon-fiber reinforced plastics (CFRP), Textile-reinforced concrete | ✓ | ✓ | ✓ |
| 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, Thermoplastics | | ✓ | ✓ |
| <i>Structural ceramics</i> | | | |
| (Technical) textiles Meshes, Crocheted fabrics | | ✓ | ✓ |

Contacts

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Contacts

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