

ERMAFA Sondermaschinen und Anlagenbau GmbH

About this organisation

Machine translation

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

ERMAFA Sondermaschinen- und Anlagenbau GmbH (ERMAFA), based in Chemnitz, Germany, stands for more than 180 years of tradition, expertise, know-how and innovation. We develop complete technological solutions in the fields of rubber and plastics processing and recycling. Our programme ranges from the supply of individual machines to project planning, production, delivery, assembly and commissioning of complete systems.

Development, manufacture and sale of machines and equipment for the production of UD tapes made of glass or carbon fibres with thermoplastic matrix materials. The UD tapes are manufactured using the patented direct impregnation process, which achieves a high degree of impregnation and a good bond between the fibres and the matrix material. The fibre content of the tapes can be flexibly adjusted for different areas of application. Thermoplastic matrix materials up to 350°C can be processed.

Otto Schmerbach- Straße 19
09117 Chemnitz
Saxony
Germany
www.ersoma.de



Organisation type

Small or medium-sized enterprise

Sector



Employees

50 up to 249

Turnover

€10m - €50m

Funding

n/a



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About this organisation

Main areas covered	Plastics processing machines
Infrastructure	Pilot plant for UD tape
Certifications	ISO 9001
Keywords	Fibre-reinforced composites GRP/CFRP
Memberships	VDI

Overview of lightweighting expertise

Machine translation

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	Research	Development	Manufacturing & Supply
Offer			
Products Parts and components, Machines and plants, Tools and moulds		✓	✓
Services & consulting Consulting, Testing and trials, Engineering, Prototyping, Maintenance and repair		✓	✓

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Overview of lightweighting expertise

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	Research	Development	Manufacturing & Supply
Field of technology			
<i>Design & layout</i>			
<i>Functional integration</i>			
<i>Measuring and testing technology</i>			
<i>Modelling and simulation</i>			
Plant construction & automation Plant construction, Automation technology		✓	✓
Recycling technologies Recycling		✓	✓
Manufacturing process			
Additive manufacturing Deposition welding			✓
<i>Coating (surface engineering)</i>			
Fibre composite technology Pre-preg processing			✓
<i>Forming</i>			
Joining Screwing, Welding			✓
Material property alteration Mechanical treatment, Heat treatment			✓
Primary forming Extrusion, Pultrusion		✓	✓
Processing and separating Drilling, Turning, Milling, Sawing, Grinding			✓
<i>Textile technology</i>			

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Overview of lightweighting expertise

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	Research	Development	Manufacturing & Supply
Material			
<i>Biogenic materials</i>			
<i>Cellular materials (foam materials)</i>			
Composites Basalt fibre-reinforced plastic, Glass-fiber reinforced plastics (GFRP), Carbon-fiber reinforced plastics (CFRP)	✓	✓	✓
Fibres Basalt fibres, Glass fibres, Carbon fibres			✓
<i>Functional materials</i>			
Metals Steel			✓
Plastics Elastomers, Thermoplastics			✓
<i>Structural ceramics</i>			
(Technical) textiles Yarns, rovings			✓

Contacts

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Contacts

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