

DORNIER, Lindauer DORNIER GmbH

About this organisation

Machine translation

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

Lindauer DORNIER GmbH is the technological market leader for machines for the production of high-quality semi-finished products in the textile and plastics industry.

Innovative solutions are summarised under the DORNIER Composite Systems® brand: - Systems for the continuous production of unidirectional fibre tapes - Machines for the production of high-quality tape fabrics - Production technology for the 3D weaving of integral reinforcement structures

Rickenbacher Str. 119
88131 Lindau
Bavaria
Germany
www.lindauerdornier.com

DORNIER

Organisation type
Large enterprises

Sector


Employees
500 and more

Turnover
More than €50m

Funding
n/a



Main areas covered

Production systems for tapes, Tape looms, 3D weaving machines

Infrastructure

DORNIER Composite Technology Centre

Certifications

ISO 9001

Keywords

Thermoplastic tapes, Tape fabric, 3D fabric

Memberships

Overview of lightweighting expertise

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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, Validation, Maintenance and repair		✓	✓
Field of technology			
Design & layout Lightweight manufacturing, Lightweight design, Hybrid structures, Lightweight construction concepts, Lightweight material construction			✓
Functional integration Actuator technology, Media conductivity, Sensor technology, Thermal activation, Material functionalisation		✓	✓
Measuring and testing technology Component and part analysis, Visual analysis (e.g. microscopy, metallography), Materials analysis, Destructive analysis, Non-destructive analysis		✓	✓
Modelling and simulation Optimisation, Processes		✓	✓
Plant construction & automation Plant construction, Automation technology, Handling technology, Robotics		✓	✓
Recycling technologies Downcycling, Material separation, Recycling, Upcycling			✓

Overview of lightweighting expertise

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	Research	Development	Manufacturing & Supply
Manufacturing process			
Additive manufacturing 3D printing, Deposition welding			✓
Coating (surface engineering) Galvanising, Painting, Plasma process, Powder coating, Hot dipping, Sputtering			✓
Fibre composite technology Manual lamination, Resin infusion process, Vacuum infusion			✓
Forming Bending, Compression moulding, Thermal converting, Deep-drawing, Rolling		✓	✓
Joining Adhesive bonding, Riveting, Screwing, Welding			✓
Material property alteration Mechanical treatment, Thermochemical treatment, Thermomechanical treatment, Heat treatment			✓
Primary forming Extrusion, Pultrusion		✓	✓
Processing and separating Drilling, Turning, Milling, Electrical discharge machining, Honing, Sawing, Shearing/punching, Grinding, Cutting			✓
Textile technology Preforming, Textile surface treatment and finishing, Weaving, Others (Tape production, tape weaving, 3D weaving)	✓	✓	✓

Overview of lightweighting expertise

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	Research	Development	Manufacturing & Supply
Material			
Biogenic materials Bioplastics			✓
<i>Cellular materials (foam materials)</i>			
Composites Aramid fibre composites, Basalt fibre-reinforced plastic, Glass-fiber reinforced plastics (GFRP), Ceramic matrix composite (CMC), Carbon-fiber reinforced plastics (CFRP), Metal-fibre-polymer composite, Metal-ceramic composite, Natural fibre reinforced plastics (NFRP), Laminates, Particulate composites			✓
Fibres Aramid fibres, Basalt fibres, Glass fibres, Ceramic fibres, Carbon fibres, Metal fibres, Natural fibres			✓
<i>Functional materials</i>			
Metals Aluminium, Intermetallic alloys, Magnesium, Steel, Titanium			✓
Plastics Thermoset plastics, Thermoplastics			✓
<i>Structural ceramics</i>			
(Technical) textiles Yarns, rovings, Woven fabrics		✓	✓

Contacts

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