

KARL MAYER Technical Textiles GmbH

About this organisation


Machine translation

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


The KARL MAYER Group is an innovative market leader and driving force in the textile machinery industry. As a long-term, reliable partner with decades of experience and a high level of quality in all areas, e.g. composites, the company supports the competitiveness of its customers and business partners with economically and technically superior products and services as well as with innovations that move the textile world.

KARL MAYER has decades of experience in the field of plant, process and process engineering for the production of textile lightweight semi-finished products. The company is extremely successful with lightweight construction technologies for biaxially and multiaxially laid and fibre-spread textile lightweight semi-finished products for the automotive and wind power industries, among others. The composite systems offered are characterised by very high productivity, and extensive lightweight system construction is required to realise this fast movement. Thanks to KARL MAYER's international positioning, lightweight component production facilities are available worldwide. In addition to plant engineering, KARL MAYER offers extensive technical centres for the development of new processes, process engineering and semi-finished textile products, which are available for both internal and external research and development projects.

Mauersbergerstraße 2
09117 Chemnitz
Saxony
Germany
www.karlmayer.com



Organisation type
Large enterprises

Sector


Employees
500 and more

Turnover
More than €50m

Funding
n/a

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Main areas covered Composite systems, Fibre spreading systems, Thermoplastic plants, Shot moulding machines

Infrastructure Technika, Development of textile LB semi-finished products, constructive lightweight construction

Certifications

Keywords Composite, Fibre spreader, Multiaxial, Technical textiles

Memberships

Overview of lightweighting expertise

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	Research	Development	Manufacturing & Supply
Offer			
Products Machines and plants	✓	✓	✓
Services & consulting Training, Consulting, Testing and trials, Engineering, Prototyping, Technology transfer, Maintenance and repair	✓	✓	✓

Overview of lightweighting expertise

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	Research	Development	Manufacturing & Supply
Field of technology			
Design & layout Lightweight construction concepts, Lightweight material construction		✓	✓
<i>Functional integration</i>			
<i>Measuring and testing technology</i>			
Modelling and simulation Loads & stress, Multiphysics simulation, Optimisation, Structural mechanics, Materials		✓	✓
Plant construction & factory automation Plant construction	✓	✓	✓
Recycling technologies Downcycling, Material separation		✓	✓
Manufacturing process			
Additive manufacturing Laminated object manufacturing (LOM)		✓	
<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>			
Textile technology Preforming, Textile surface treatment and finishing, Nonwoven & mats production, Knitting, laid web production	✓	✓	

Overview of lightweighting expertise

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	Research	Development	Manufacturing & Supply
Material			
<i>Biogenic materials</i>			
<i>Cellular materials (foam materials)</i>			
Composites Aramid fibre composites, Basalt fibre-reinforced plastic, Glass-fiber reinforced plastics (GFRP), Carbon-fiber reinforced plastics (CFRP), Textile-reinforced concrete	✓	✓	
Fibres Aramid fibres, Basalt fibres, Glass fibres, Carbon fibres, Metal fibres, Natural fibres	✓	✓	
<i>Functional materials</i>			
<i>Metals</i>			
Plastics Thermoset plastics, Thermoplastics	✓	✓	
<i>Structural ceramics</i>			
(Technical) textiles Yarns, rovings, Laid webs, Knitted fabrics, Nonwovens, mats	✓	✓	

Contacts

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Contacts

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