

Dieffenbacher GmbH Mechanical and Plant Engineering

About this organisation

Machine translation

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

Dieffenbacher is a globally active group of companies that manufactures hydraulic presses and complete production systems for the wood-based panel industry, the automotive industry and its suppliers. As a general contractor and system supplier of turnkey plants, Dieffenbacher offers a wide range of production processes for processing fibre-reinforced plastics, covering the entire field of composites.

Dieffenbacher offers processes such as Long Fibre Thermoplastic Molding, Sheet Molding Compound or High-Pressure Resin Transfer Molding. This includes a fully automated turnkey production line including a preform centre for the economical mass production of carbon components using the high-pressure RTM process. With the Fiberforge, Dieffenbacher offers the fastest tape laying system in the world. Production lines for hybrid components and systems for the wet pressing process complete the product portfolio, and Dieffenbacher supplies everything from a single source, from the hydraulic press and complete automation to the resource-saving production of semi-finished products using the direct process. Dieffenbacher is the market leader in the field of production systems for the composites industry and a driving force in process development and system integration. Close co-operation with independent research institutes provides customers with laboratory capacity for the production of sample components.

Heilbronner Str. 20
75031 Eppingen
Baden-Württemberg
Germany
www.dieffenbacher.de

DIEFFENBACHER
MOVE FORWARD. TOGETHER.

Organisation type

Large enterprises

Sectors



Employees

500 and more

Turnover

More than €50m

Funding

n/a

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Main areas covered	HP-RTM systems, PreformCentre, SMC systems, LFT systems, Fibreforge tape laying system
Infrastructure	Technical centre
Certifications	ISO 9001
Keywords	Composites, Lightweight construction, Hybrid, CFRP production lines, LFT production lines
Memberships	

Overview of lightweighting expertise

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	Research	Development	Manufacturing & Supply
Offer			
Products			✓
Machines and plants			
<i>Services & consulting</i>			

Overview of lightweighting expertise

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	Research	Development	Manufacturing & Supply
Field of technology			
Design & layout Lightweight manufacturing, Hybrid structures			✓
<i>Functional integration</i>			
<i>Measuring and testing technology</i>			
<i>Modelling and simulation</i>			
Plant construction & factory automation Plant construction, Automation technology, Handling technology, Robotics			✓
<i>Recycling technologies</i>			
Manufacturing process			
<i>Additive manufacturing</i>			
<i>Coating (surface engineering)</i>			
Fibre composite technology Resin transfer moulding, Pre-preg processing			✓
Forming Compression moulding, Thermal converting			✓
<i>Joining</i>			
<i>Material property alteration</i>			
<i>Primary forming</i>			
<i>Processing and separating</i>			
<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 Glass-fiber reinforced plastics (GFRP), Carbon-fiber reinforced plastics (CFRP), Metal matrix composite			✓
<i>Fibres</i>			
<i>Functional materials</i>			
<i>Metals</i>			
Plastics Thermoset plastics, Thermoplastics			✓
<i>Structural ceramics</i>			
(Technical) textiles Yarns, rovings, Laid webs, Woven fabrics, Nonwovens, mats			✓

Contacts

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Contacts

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