

Coriolis Composites GmbH

About this organisation

Machine translation

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

Coriolis is a specialist in the development and implementation of robotic cells, including software, maintenance and service contracts, for fibre placement with a standard 6-axis robot. Coriolis offers a real economical and industrial solution with its exclusive systems, designed and developed for the composites industry.

Coriolis AFP technology is suitable for automotive applications due to its high productivity and its compatibility with more cost-effective materials - TowPreg, thermoplastic, dry carbon and glass fibre (heavy grade). Both thermoset, thermoplastic and dry fibres can be deposited on complex geometric surfaces. Coriolis accompanies the customer from the exploratory study to the finished application of the automated solution, followed by the service offer and a possible update of the system. The Coriolis technical centre, which is equipped with AFP systems and managed by a team of specialists, has been supporting our customers for more than 10 years. The technical centre is available to customers in every development phase of the project. Starting from TRL 2 up to TR L8 (Technology Readiness Level). Coriolis also offers preliminary studies, prototyping and training.

Am Technologiezentrum 5
86159 Augsburg
Bavaria
Germany
www.coriolis-composites.com



Organisation type

Small or medium-sized enterprise

Sectors



Employees

Up to 9

Turnover

n/a

Funding

n/a



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Main areas covered	Robot-assisted fibre placement
Infrastructure	CORIOLIS technical centre
Certifications	ISO 9001; JEC Innovation Award 2016
Keywords	AFP (Automated Fibre Placement), Software, Automation, Industrialisation, Thermoset, Thermoplastic
Memberships	

Overview of lightweighting expertise

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	Research	Development	Manufacturing & Supply
Offer			
Products Parts and components, Machines and plants, Software & databases	✓	✓	✓
Services & consulting Consulting, Testing and trials, Prototyping, Simulation, Maintenance and repair			✓

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 & factory automation Plant construction, Automation technology, Robotics	✓	✓	✓
<i>Recycling technologies</i>			
Manufacturing process			
<i>Additive manufacturing</i>			
<i>Coating (surface engineering)</i>			
Fibre composite technology Filament winding, Pre-preg processing, Others: null	✓	✓	✓
<i>Forming</i>			
<i>Joining</i>			
<i>Material property alteration</i>			
<i>Primary forming</i>			
Processing and separating Cutting			✓
<i>Textile technology</i>			

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), Laminates		✓	✓
Fibres Glass fibres, Carbon fibres, Natural fibres	✓	✓	✓
<i>Functional materials</i>			
<i>Metals</i>			
Plastics Thermoset plastics, Thermoplastics		✓	✓
<i>Structural ceramics</i>			
<i>(Technical) textiles</i>			

Contacts

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Contacts	
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