

Broetje-Automation Group

About this organisation

Broetje-Automation is the world's leading expert for production processes in the aerospace industry. At 23 locations and service centers worldwide, we plan and implement machines and systems for aircraft assembly. The group of companies offers solutions for the factory of the future, both in terms of equipment and the integration of entire lines and their digital networking.

Broetje-Automation offers innovative composite manufacturing technology and complete system integrator know-how for your industrial production requirements. Thanks to the ability to integrate processes across different production stages, efficiency and productivity in composite manufacturing can be significantly increased. The spectrum ranges from modern automated systems for 3D Fiber Placement for high-performance requirements and individual components with complex shapes, to various robot-supported 3D handling applications, automated cutting, sorting and kitting, and innovative 3D preforming technology for continuous series production of composite profiles.

Am Autobahnkreuz 14
26180 RASTEDE
Lower Saxony
Germany
www.broetje-automation.de



Organisation type

Large enterprises

Sectors



Employees

500 and more

Turnover

More than €50m

Funding

n/a



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Main areas covered	Automated Fiber Placement, Line Planning and Integration, Preforming Technologies, Inline-Inspection, Automated Sealing
Infrastructure	
Certifications	ISO 9001:2015, ISO 9100:2018, ISO 14001:2015, BS OHSAS 18001:2007
Keywords	AFP, Automation, Preforming, Integration, 3D Handling
Memberships	Composites United, BDLI, Niedersachsen Aviation, Forum Luft- und Raumfahrt, Aerospace Valley

Overview of lightweighting expertise

	Research	Development	Manufacturing & Supply
Offer			
Products Machines and plants, Software & databases, Systems and end products, Materials	✓	✓	✓
Services & consulting Consulting, Testing and trials, Engineering, Prototyping, Simulation, Technology transfer, Maintenance and repair	✓	✓	✓
Field of technology			
<i>Design & layout</i>			
<i>Functional integration</i>			
<i>Measuring and testing technology</i>			
Modelling and simulation Processes, Materials	✓	✓	✓
Plant construction & automation Plant construction, Automation technology, Handling technology, Robotics, Others (Fabrikplanung und Linienintegration)	✓	✓	✓
<i>Recycling technologies</i>			

Overview of lightweighting expertise

	Research	Development	Manufacturing & Supply
Manufacturing process			
Additive manufacturing 3D printing		✓	
<i>Coating (surface engineering)</i>			
Fibre composite technology Filament winding, Pre-preg processing	✓	✓	✓
Forming Bending, Thermal converting		✓	✓
Joining Adhesive bonding, Sewing, Riveting, Screwing	✓	✓	✓
<i>Material property alteration</i>			
<i>Primary forming</i>			
Processing and separating Drilling, Milling, Grinding, Cutting	✓	✓	✓
Textile technology Preforming	✓	✓	✓

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Overview of lightweighting expertise

	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)	✓	✓	✓
Fibres Glass fibres, Carbon fibres	✓	✓	✓
<i>Functional materials</i>			
Metals Aluminium, Intermetallic alloys, Steel, Titanium	✓	✓	✓
Plastics Thermoset plastics, Thermoplastics	✓	✓	✓
<i>Structural ceramics</i>			
<i>(Technical) textiles</i>			

Contacts

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