

# 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.

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Germany  
[www.broetje-automation.de](http://www.broetje-automation.de)



### Organisation type

Large enterprises

### Sectors



### Employees

500 and more

### Turnover

More than €50m

### Funding

n/a



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## About this organisation

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

## Overview of lightweighting expertise

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

## Overview of lightweighting expertise

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

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## Overview of lightweighting expertise

	Research	Development	Manufacturing & Supply
<b>Material</b>			
<i>Biogenic materials</i>			
<i>Cellular materials (foam materials)</i>			
<b>Composites</b> Glass-fiber reinforced plastics (GFRP), Carbon-fiber reinforced plastics (CFRP)	✓	✓	✓
<b>Fibres</b> Glass fibres, Carbon fibres	✓	✓	✓
<i>Functional materials</i>			
<b>Metals</b> Aluminium, Intermetallic alloys, Steel, Titanium	✓	✓	✓
<b>Plastics</b> Thermoset plastics, Thermoplastics	✓	✓	✓
<i>Structural ceramics</i>			
<i>(Technical) textiles</i>			

## Contacts

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