About this organisation

Machine translation

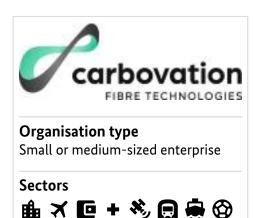
This organisation has been machine-translated based on data provided in German.

carbovation gmbh, part of the Murtfeldt Group from Dortmund, is a specialist in the development and production of integrative and hybrid lightweight solutions based on high-quality fibre composite materials. Our expertise lies in solving complex and customer-specific challenges and thereby offering the customer targeted added value. Consultancy, development and production from a single source.

Through different system technologies: - Fibre winding technology up to 8.3m and Ø 1.4m - Prepreg autoclave technology up to 12m, Ø 1.7m and 200 °C curing temperature - Various liquid impregnation processes (resin injection, resin infusion and combination processes) and the possibility of customised component implementation: -Multi-stage winding processes for the realisation of integral components - Realisation of undercuts and changing geometries - Integration of functional elements (inserts, force introduction, openings, etc.) - Complex component geometries - Hybrid material combinations (plastic - plastic; plastic - metal) - Sandwich structures - Non-detachable connections such as adhesive processes - Detachable connections such as clamps or screw connections We can offer our customers exactly the product they need and provide them with the decisive added value for their application.

Otto-Lilienthal-Straße 15 88046 Friedrichshafen Baden-Württemberg Germany

☑ www.carbovation.de



Employees

50 up to 249

Turnover

€10m - €50m

Funding

n/a

leichtbauatlas.de Page 1 of 6

Main areas covered	Mechanical and plant engineering, Aerospace technology, Medical technology, Arichtecture, High-quality sports equipment
Infrastructure	Fibre winding technology up to 8.3m & Ø1.4m, Autoclave technology up to 12m & Ø 1.7m, Liquid impregnation process (RI&RTM), Prototype construction
Certifications	EN 9100:2018 based on ISO 9001:2015
Keywords	

Overview of lightweighting expertise Machine translation This organisation has been machine-translated based on data provided in German. Manufacturing Research Development & Supply Offer Products Parts and components, Machines and plants, Systems and end products, Tools and moulds Services & consulting Training, Consulting, Testing and trials, Engineering, Prototyping, Maintenance and repair

leichtbauatlas.de Page 2 of 6

Overview of lightweighting expertise **Machine translation** This organisation has been machine-translated based on data provided in German. Manufacturing **Development** & Supply Research Field of technology Design & layout Lightweight manufacturing, Lightweight design, Hybrid structures, Lightweight construction concepts, Lightweight material construction **Functional integration** Media conductivity, Sensor technology, Material functionalisation Measuring and testing technology Modelling and simulation Plant construction & automation Automation technology, Handling technology, **Robotics** Recycling technologies

leichtbauatlas.de Page 3 of 6

Forming

Joining

Screwing

Cutting

Preforming

Heat treatment

Primary forming

Textile technology

Overview of lightweighting expertise

Hybrid joining, Adhesive bonding, Riveting,

Drilling, Turning, Milling, Sawing, Grinding,

Material property alteration

Processing and separating

leichtbauatlas.de Page 4 of 6

Overview of lightweighting expertise

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	Research	Development	Manufacturing & Supply
Material			
Biogenic materials Bioplastics, Biocomposites		✓	✓
Cellular materials (foam materials) Closed-pore, Open-pore		✓	✓
Composites Aramid fibre composites, Basalt fibre-reinforced plastic, Glass-fiber reinforced plastics (GFRP), Carbon-fiber reinforced plastics (CFRP), Natural fibre reinforced plastics (NFRP), Laminates		✓	✓
Fibres Aramid fibres, Basalt fibres, Glass fibres, Ceramic fibres, Carbon fibres, Metal fibres, Natural fibres		✓	✓
Functional materials			
Metals			
Plastics Thermoset plastics, Elastomers		✓	✓
Structural ceramics			
(Technical) textiles Yarns, rovings, Meshes, Laid webs, Woven fabrics, Nonwovens, mats		~	✓

Contacts

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leichtbauatlas.de Page 5 of 6

Contacts

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leichtbauatlas.de Page 6 of 6