

About this organisation

Machine translation

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

Germa Composite is a German manufacturer of high-quality fibre composite components. The entire process is carried out in-house - from engineering to tested prototypes to small series. Germa Composite has its own CNC toolmaking, autoclaves, CNC trimming, measuring machines and painting facilities.

- CAD design - FEM calculation - Laminating books - 3D printers for modelling and toolmaking - CNC toolmaking - CNC fixture construction - Prepreg autoclave production - CNC trimming - Quality control

Donatusstr. 155
50259 Pulheim
North Rhine-Westphalia
Germany
www.germa-composite.de



Organisation type

Small or medium-sized enterprise

Sectors

No specific sector

Employees

50 up to 249

Turnover

€2m - €10m

Funding

n/a

Main areas covered

Development of composite components

Infrastructure

Autoclave(s), 3D measuring machine - tactile and optical, CNC machine(s)

Certifications

ISO 9001 & 14001

Keywords

Composite, Fibre composite, Construction, Calculation

Memberships

VDI, IHK Cologne

Overview of lightweighting expertise

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	Research	Development	Manufacturing & Supply
Offer			
Products Parts and components, Tools and moulds		✓	✓
Services & consulting Training, Consulting, Testing and trials, Engineering, Prototyping, Validation, Simulation, Technology transfer, Maintenance and repair, Approval	✓	✓	✓
Field of technology			
Design & layout Lightweight manufacturing, Lightweight design, Hybrid structures, Lightweight construction concepts, Lightweight material construction	✓	✓	✓
<i>Functional integration</i>			
Measuring and testing technology Component and part analysis		✓	✓
Modelling and simulation Crash behaviour, Loads & stress, Life-cycle analysis, Optimisation, Processes, Structural mechanics, Materials, Reliability validation		✓	✓
<i>Plant construction & automation</i>			
<i>Recycling technologies</i>			

Overview of lightweighting expertise

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	Research	Development	Manufacturing & Supply
Manufacturing process			
Additive manufacturing 3D printing, Stereolithography		✓	✓
Coating (surface engineering) Painting		✓	✓
Fibre composite technology Manual lamination, Resin infusion process, Resin transfer moulding, Pre-preg processing, Vacuum infusion, Others (Pressing, preforming)	✓	✓	✓
<i>Forming</i>			
Joining Adhesive bonding		✓	✓
<i>Material property alteration</i>			
<i>Primary forming</i>			
Processing and separating Drilling, Turning, Milling, Grinding, Cutting			✓
<i>Textile technology</i>			

Overview of lightweighting expertise

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	Research	Development	Manufacturing & Supply
Material			
Biogenic materials Biocomposites		✓	✓
Cellular materials (foam materials) Closed-pore			✓
Composites Aramid fibre composites, Basalt fibre-reinforced plastic, Glass-fiber reinforced plastics (GFRP), Carbon-fiber reinforced plastics (CFRP), Natural fibre reinforced plastics (NFRP), Textile-reinforced concrete		✓	✓
Fibres Aramid fibres, Basalt fibres, Glass fibres, Carbon fibres, Natural fibres			✓
<i>Functional materials</i>			
Metals Aluminium, Steel, Titanium		✓	✓
Plastics Thermoset plastics		✓	✓
<i>Structural ceramics</i>			
<i>(Technical) textiles</i>			

Contacts

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Contacts

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