

3A Composites GmbH

About this organisation

Machine translation

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

3A Composites is a globally active company that is part of Schweiter Technologies AG with offices in Europe, America, India and China. It has been a pioneer in lightweight construction technology for almost 70 years. Its brands stand for sustainable, lightweight, resource-saving and high-quality core materials and sheets that enable the manufacture of lightweight and therefore more energy-efficient end products.

Development, production and marketing of lightweight materials and components.

Kiefernweg 10
49090 Osnabrück
Lower Saxony
Germany

www.display.3acomposites.com



Organisation type

Large enterprises

Sectors



Employees

500 and more

Turnover

More than €50m

Funding

n/a

3A Composites GmbH

About this organisation

Main areas covered Architecture, Display, Vehicle construction, Ship and yacht building, Wind industry

Infrastructure Development laboratory, Material testing laboratory, Technical centre for application technology

Certifications FSC

Keywords Balsa, Composite material, Lightweight plywood, Core material, BANOVA

Memberships

Overview of lightweighting expertise

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	Research	Development	Manufacturing & Supply
Offer			
Products Parts and components, Semi-finished parts, Materials	✓	✓	✓
<i>Services & consulting</i>			

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Overview of lightweighting expertise

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	Research	Development	Manufacturing & Supply
Field of technology			
Design & layout Lightweight manufacturing, Lightweight design, Hybrid structures, Lightweight construction concepts, Lightweight material construction	✓	✓	✓
<i>Functional integration</i>			
<i>Measuring and testing technology</i>			
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>			

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Overview of lightweighting expertise

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	Research	Development	Manufacturing & Supply
Manufacturing process			
<i>Additive manufacturing</i>			
Coating (surface engineering) Painting, Powder coating	✓	✓	✓
Fibre composite technology Fibre spraying, Filament winding, Manual lamination, Resin infusion process, Resin transfer moulding, Pre-preg processing, Vacuum infusion	✓	✓	✓
Forming Bending, Impact extrusion, Compression moulding, Extrusion moulding, Stretch forming, Thermal converting, Deep-drawing, Fluid active media based forming, Rolling	✓	✓	✓
Joining Hybrid joining, Adhesive bonding, Riveting, Screwing, Welding	✓	✓	✓
<i>Material property alteration</i>			
Primary forming Extrusion, Casting	✓	✓	✓
Processing and separating Drilling, Milling, Sawing, Grinding, Cutting	✓	✓	✓
<i>Textile technology</i>			

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	Research	Development	Manufacturing & Supply
Material			
Biogenic materials Wood	✓	✓	✓
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	✓	✓	✓
<i>Fibres</i>			
<i>Functional materials</i>			
Metals Aluminium	✓	✓	✓
Plastics Thermoset plastics, Elastomers, Thermoplastics	✓	✓	✓
<i>Structural ceramics</i>			
<i>(Technical) textiles</i>			

Contacts

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Contacts

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