

Bionic Composite Technologies AG

About this organisation

BIONTEC develops and produces high performance composite components on the basis of bionic fibre textiles. Without waste, just as in nature. BIONTEC combines more than 150 years in textile knowledge with a profound know-how in composite technology. With our in-house developed process technologies, we produce: - high quality components - with outstanding performance - reproducibly in series with up to 100,000 pieces/year.

BIONTEC focuses on complex composite products in medium to high volume (up to 100'000) pieces. With our technology we eliminate fibre waste, optimize performance and increase repeatability.

Flurhofstrasse 150
9000 St. Gallen
Switzerland
Switzerland
biontec.ch/en



Organisation type

Small or medium-sized enterprise

Sectors

No specific sector

Employees

10 up to 49

Turnover

n/a

Funding

n/a

Main areas covered

Aviation, Metrology, Space, Medical technology, Mechanical engineering

Infrastructure

Certifications ISO 9001

Keywords

Memberships Composites United e.V., sampe Europe

Overview of lightweighting expertise

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

Bionic Composite Technologies AG

Overview of lightweighting expertise

	Research	Development	Manufacturing & Supply
Field of technology			
<i>Design & layout</i>			
<i>Functional integration</i>			
<i>Measuring and testing technology</i>			
<i>Modelling and simulation</i>			
<i>Plant construction & automation</i>			
<i>Recycling technologies</i>			
Manufacturing process			
<i>Additive manufacturing</i>			
<i>Coating (surface engineering)</i>			
Fibre composite technology			
Resin transfer moulding		✓	✓
<i>Forming</i>			
Joining			
Adhesive bonding, Sewing		✓	✓
Material property alteration			
Mechanical treatment, Thermochemical treatment, Heat treatment		✓	✓
<i>Primary forming</i>			
<i>Processing and separating</i>			
Textile technology			
Preforming		✓	✓

Bionic Composite Technologies AG

Overview of lightweighting expertise

	Research	Development	Manufacturing & Supply
Material			
<i>Biogenic materials</i>			
<i>Cellular materials (foam materials)</i>			
Composites Aramid fibre composites, Basalt fibre-reinforced plastic, Glass-fiber reinforced plastics (GFRP), Ceramic matrix composite (CMC), Carbon-fiber reinforced plastics (CFRP), Natural fibre reinforced plastics (NFRP)		✓	✓
Fibres Aramid fibres, Basalt fibres, Glass fibres, Ceramic fibres, Carbon fibres, Natural fibres		✓	✓
<i>Functional materials</i>			
<i>Metals</i>			
Plastics Thermoset plastics, Thermoplastics		✓	✓
<i>Structural ceramics</i>			
(Technical) textiles Others (TFP Gestickr)		✓	✓

Contacts

Ms Benedikt Borchert

Head of Sales

composites@biontec.ch