

About this organisation

Munich-based automation specialist Cevotec offers one of the world's most advanced production systems for complex fiber composites: SAMBA and ARTIST STUDIO. At the intersection of composites, mechanical engineering and software, Cevotec develops production systems and software based on Fiber Patch Placement (FPP) technology.

The production systems enable the automated lay-up of carbon and glass fibers, adhesive films and other technical fibers on complex 3D geometries. Manufacturers use FPP to produce e.g. multi-material composite aerostructures, composite pressure vessel reinforcements, and other high-performance components in a quality-controlled, fully automated lay-up process. Switching from conventional processes to FPP enables cost & time savings of 20%-60%.

Biberger Str. 93
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Bavaria
Germany
www.cevotec.com



Organisation type

Small or medium-sized enterprise

Sectors



Others: Wasserstoffdrucktanks

Employees

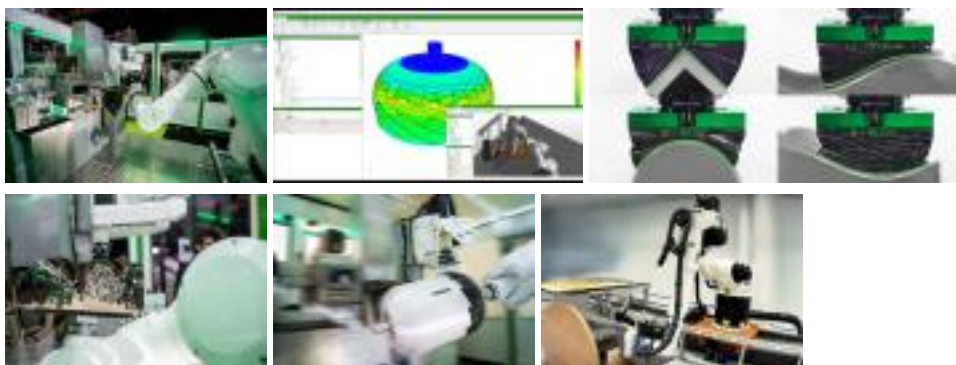
10 up to 49

Turnover

€2m - €10m

Funding

n/a



About this organisation

Main areas covered

Infrastructure

Certifications

Keywords

Memberships

Overview of lightweighting expertise

	Research	Development	Manufacturing & Supply
Offer			
Products Parts and components, Semi-finished parts, Machines and plants, Software & databases, Systems and end products, Materials	✓	✓	✓
Services & consulting Training, Testing and trials, Prototyping, Simulation		✓	✓

Overview of lightweighting expertise

	Research	Development	Manufacturing & Supply
Field of technology			
Design & layout Lightweight manufacturing, Lightweight design, Lightweight material construction	✓	✓	✓
<i>Functional integration</i>			
<i>Measuring and testing technology</i>			
Modelling and simulation Loads & stress, Optimisation, Processes, Structural mechanics, Materials	✓	✓	✓
Plant construction & factory automation Plant construction, Automation technology, Handling technology, Robotics	✓	✓	✓
<i>Recycling technologies</i>			
Manufacturing process			
Additive manufacturing Others: null	✓	✓	✓
<i>Coating (surface engineering)</i>			
Fibre composite technology Resin infusion process, Vacuum infusion	✓	✓	
<i>Forming</i>			
<i>Joining</i>			
<i>Material property alteration</i>			
<i>Primary forming</i>			
<i>Processing and separating</i>			
Textile technology Preforming, Others: null	✓	✓	✓

Overview of lightweighting expertise

	Research	Development	Manufacturing & Supply
Material			
<i>Biogenic materials</i>			
<i>Cellular materials (foam materials)</i>			
Composites			
Carbon-fiber reinforced plastics (CFRP), Laminates	✓	✓	✓
<i>Fibres</i>			
<i>Functional materials</i>			
<i>Metals</i>			
<i>Plastics</i>			
<i>Structural ceramics</i>			
<i>(Technical) textiles</i>			

Contacts

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