

About this organisation

Machine translation

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

CoTexx manufactures technical knitted fabrics from a variety of ferrous and non-ferrous metals, originally especially for applications in process engineering and for roof products. A special textile for fibre composite technology is CoTexx® heating knitted fabric, an electric surface heating system for out-of-autoclave production. CoTexx also offers services and accessories for heatable moulds.

CoTexx® knitted heating mesh is used to electrically heat tools and moulds in fibre composite technology. The large surface area of the heating conductor wires enables the production of moulds with thin walls and even temperature distribution. This results in short heating times, gentle heating of the fibre composite components and high energy efficiency. Examples of applications include cost-effective preform production using heated GRP or CFRP moulds or moulds for large components in the wind power or marine industry, for which neither autoclaves nor industrial ovens are available. Cycle times can be reduced through uniform heating and component properties can be improved through tempering in the mould. CoTexx® knitted heating fabric can also be embedded in silicone. This opens up areas of application such as electrically heated vacuum bonnets for component series production or heating mats for the repair of fibre composite structures.

Johannesstr. 27
86565 Gachenbach
Bavaria
Germany
www.cotexx.de



Organisation type

Small or medium-sized enterprise

Sector



Employees

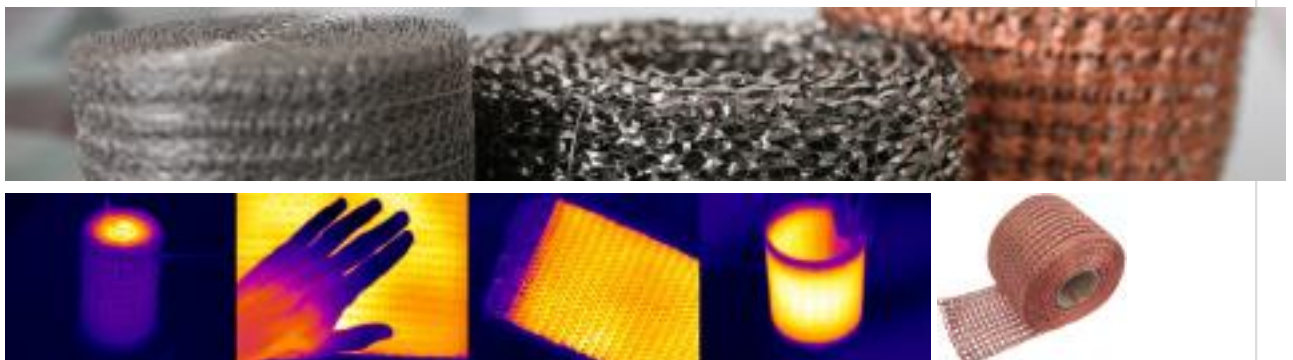
Up to 9

Turnover

Up to €2m

Funding

n/a



About this organisation

Main areas covered Heated moulds (fibre composite), Electric heating textiles, Self-heating devices, Controls for heating systems

Infrastructure

Certifications ISO 9001

Keywords Knitted metal mesh, Knitted wire mesh, Heating textile, Heated mould, Copper knit

Memberships

Overview of lightweighting expertise

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Research **Development** **Manufacturing & Supply**

Offer

Products

Semi-finished parts, Machines and plants, Tools and moulds



Services & consulting

Field of technology

Design & layout

Functional integration

Measuring and testing technology

Modelling and simulation

Plant construction & factory automation

Plant construction, Automation technology



Recycling technologies

Overview of lightweighting expertise

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	Research	Development	Manufacturing & Supply
Manufacturing process			
Additive manufacturing			
Coating (surface engineering)			
Fibre composite technology Manual lamination, Resin infusion process, Vacuum infusion			✓
Forming			
Joining			
Material property alteration			
Primary forming			
Processing and separating			
Textile technology Knitting			✓

Overview of lightweighting expertise

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

Contacts

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Contacts

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Research and development

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