

About this organisation

Machine translation

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

We are a medium-sized company that combines innovation and experience. With our 70-year passion for ceramics as a material, we develop new solutions in the fields of technical ceramics and porcelain. We are also a competent and reliable partner for the thermal process treatment of all types of bulk materials and other ceramic mouldings (up to 1600°C).

Rösler CeramInno develops and produces high-strength, porous ceramic lightweight components that can be used permanently at temperatures of up to 1,600 degrees. Thanks to in-house mass preparation, lightweight raw materials are evaluated, tested on a pilot scale and upscaled. With the help of these technologies, the highly energy-intensive processes are designed to be extremely energy-efficient.

Langenauer Str. 2
96355 Tettau-Schauberg
Bavaria
Germany
www.roesler-ceraminno.de



Organisation type

Small or medium-sized enterprise

Sectors



Others: Herstellung von technisch-keramischen Erzeugnissen und Porzellan

Employees

50 up to 249

Turnover

€2m - €10m

Funding



About this organisation

Main areas covered	Foam ceramics, 3D printing, Lightweight kiln furniture
Infrastructure	Water absorption, BET measurements, Microscopy, Grain size analyses, Spray drying
Certifications	ISO 9001
Keywords	Thermal Treatment of Bulks, Additive manufacturing, Technical ceramics
Memberships	Bavarian Environmental Pact, Hyson - Hydrogen research, Ecovadis Sustainability

Overview of lightweighting expertise

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	Research	Development	Manufacturing & Supply
Offer			
Products Parts and components, Materials, Tools and moulds	✓	✓	✓
Services & consulting Testing and trials, Engineering, Prototyping, Technology transfer	✓	✓	✓

Overview of lightweighting expertise

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	Research	Development	Manufacturing & Supply
Field of technology			
Design & layout Lightweight manufacturing, Hybrid structures	✓	✓	✓
Functional integration Thermal activation	✓	✓	✓
Measuring and testing technology Component and part analysis, Visual analysis (e.g. microscopy, metallography), Materials analysis			✓
Modelling and simulation Life-cycle analysis, Optimisation, Materials	✓		
<i>Plant construction & automation</i>			
Recycling technologies Material separation, Recycling	✓	✓	✓

Overview of lightweighting expertise

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	Research	Development	Manufacturing & Supply
Manufacturing process			
Additive manufacturing 3D printing, Selective laser sintering (SLS)	✓	✓	✓
Coating (surface engineering) Others (Engobing of kiln furniture)			✓
<i>Fibre composite technology</i>			
Forming Compression moulding, Fluid active media based forming	✓	✓	✓
<i>Joining</i>			
Material property alteration Thermochemical treatment, Heat treatment	✓	✓	✓
Primary forming Extrusion, Casting, Sintering, Others (Die casting)	✓	✓	✓
<i>Processing and separating</i>			
<i>Textile technology</i>			

Overview of lightweighting expertise

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	Research	Development	Manufacturing & Supply
Material			
Biogenic materials Wood	✓	✓	
Cellular materials (foam materials) Closed-pore, Open-pore	✓	✓	✓
Composites Ceramic matrix composite (CMC)	✓	✓	
Fibres Ceramic fibres	✓	✓	✓
Functional materials Piezoelectric materials			✓
<i>Metals</i>			
<i>Plastics</i>			
Structural ceramics Non-oxidic ceramics, Oxidic ceramics, Ultra-high-temperature ceramics	✓	✓	✓
<i>(Technical) textiles</i>			

Contacts

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Rösler CeramInno GmbH

Contacts

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