

Association of the Ceramic Industry e.V.

Technical Ceramics Division

About this organisation

Machine translation

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

The Association of the Ceramic Industry (VKI) is the economic and socio-political trade association for several branches of the fine ceramics industry. The Technical Ceramics Section is the most important division of the VKI. The slogan Think Ceramic provides information about technical ceramics (at www.keramverband.de). The VKI offers free information material, application advice and targeted contacts to manufacturers.

To date, ceramics have proven themselves in a large number of applications or are being considered for new ones where high hardness, high wear resistance, high corrosion resistance and good high-temperature stability - combined with low specific weight - are required. The new high-tech materials achieve high strengths. Their values are comparable to those of metals and generally surpass all polymers. The properties of ceramic materials are largely determined by the respective microstructure. The mechanical and physical properties can be influenced in different directions through the targeted adjustment of certain microstructures, known as microstructure design.

Schillerstraße 17
95100 Selb
Bavaria
Germany
keramverband.de



Organisation type

Association, Chamber of industry and commerce

Sectors

No specific sector

Employees

10 up to 49

Turnover

n/a u.a. Fachverband für Technische Keramik - keine Umsätze

Funding

n/a



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About this organisation	
Main areas covered	Materials / components all industries
Infrastructure	
Certifications	
Keywords	Technical ceramics - components
Memberships	

Overview of lightweighting expertise			
Machine translation			
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	Research	Development	Manufacturing & Supply
Offer			
Products Parts and components, Materials		✓	✓
Services & consulting Consulting		✓	✓

Overview of lightweighting expertise

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	Research	Development	Manufacturing & Supply
Field of technology			
Design & layout Lightweight material construction		✓	✓
Functional integration Actuator technology, Sensor technology, Material functionalisation		✓	✓
<i>Measuring and testing technology</i>			
Modelling and simulation Structural mechanics, Materials, Reliability validation		✓	✓
Plant construction & automation Plant construction		✓	✓
<i>Recycling technologies</i>			
Manufacturing process			
Additive manufacturing 3D printing		✓	✓
<i>Coating (surface engineering)</i>			
<i>Fibre composite technology</i>			
<i>Forming</i>			
<i>Joining</i>			
<i>Material property alteration</i>			
<i>Primary forming</i>			
<i>Processing and separating</i>			
<i>Textile technology</i>			

Overview of lightweighting expertise

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	Research	Development	Manufacturing & Supply
Material			
<i>Biogenic materials</i>			
<i>Cellular materials (foam materials)</i>			
<i>Composites</i>			
<i>Fibres</i>			
<i>Functional materials</i>			
<i>Metals</i>			
<i>Plastics</i>			
Structural ceramics Monolithic ceramics, Non-oxidic ceramics, Oxidic ceramics, Ultra-high-temperature ceramics		✓	✓
<i>(Technical) textiles</i>			

Contacts

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Contacts

Mr Dipl.-Ing. Martin Hartmann

Managing Director Technical Ceramics

hartmann@keramverband.de