

WPX Fibre Ceramics GmbH

About this organisation

Machine translation

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

WPX Faserkeramik GmbH is a spin-off from the DLR German Aerospace Centre (Cologne) as the exclusive licensee of WHIPOX technology. The company is involved in the development, production and sale of components made of oxide fibre composite ceramics (OCMC), in particular for lightweight charging racks for the industrial heat treatment of steel.

The company's technological expertise lies in the development of materials, components and solutions based on oxide fibre composite ceramics (OCMC) for charging aids and furnace components in the industrial heat treatment of steel with the aim of achieving maximum loads with minimum weight of the charging carriers in order to minimise dead heat during heating and cooling/quenching of the steel components.

Redcarstrasse 44 B
53842 Troisdorf
North Rhine-Westphalia
Germany
www.wpx-faserkeramik.de



Organisation type

Small or medium-sized enterprise

Sectors



Employees

10 up to 49

Turnover

Up to €2m

Funding

n/a

Main areas covered Charging aids Heat treatment, Oxide fibre composite ceramics, Oven linings, Gas turbine components, Heat deflector plates

Infrastructure Fibre winding systems, Heat treatment plants

Certifications

Keywords Oxide fibre composite ceramics, OCMC, Fibre ceramics, WHIPOX

Memberships CCeV, DKG

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Overview of lightweighting expertise

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	Research	Development	Manufacturing & Supply
Offer			
Products Parts and components, Semi-finished parts, Materials		✓	✓
<i>Services & consulting</i>			
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 Filament winding		✓	✓
<i>Forming</i>			
<i>Joining</i>			
<i>Material property alteration</i>			
<i>Primary forming</i>			
<i>Processing and separating</i>			
<i>Textile technology</i>			

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Overview of lightweighting expertise

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	Research	Development	Manufacturing & Supply
Material			
<i>Biogenic materials</i>			
<i>Cellular materials (foam materials)</i>			
Composites			
Ceramic matrix composite (CMC)		✓	✓
<i>Fibres</i>			
<i>Functional materials</i>			
<i>Metals</i>			
<i>Plastics</i>			
Structural ceramics			
Oxidic ceramics		✓	✓
<i>(Technical) textiles</i>			

Contacts

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Contacts

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