

ELB - Eloxalwerk Ludwigsburg Helmut Zerrer GmbH

About this organisation

Machine translation

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

Eloxalwerk Ludwigsburg Helmut Zerrer GmbH, ELB for short - founded in Ludwigsburg in 1960 - is a specialised service provider for technical-functional and decorative surface finishing of light metals.

Thanks to the flexibility of the environmentally friendly, fully automatic finishing systems, the processes are suitable for complex workpiece geometries of large components and for combinations of different requirement profiles for large surfaces. ELB's wide-ranging CERANOD® surface range offers a variety of different solutions for large parts made of aluminium, magnesium or titanium or their alloys: anodising, hard anodising, plasma ceramics, functional polymer surfaces and hybrid surfaces.

Neckartalstraße 33
71642 Ludwigsburg
Baden-Württemberg
Germany
www.ceranod.com



Organisation type

Small or medium-sized enterprise

Sectors



Employees

10 up to 49

Turnover

n/a

Funding

n/a

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About this organisation

Main areas covered Surfaces for light metals, CERANOD® nanoceramic, CERANOD® hybrid surfaces, CERANOD® hard anodisation, CERANOD® anodisation

Infrastructure

Certifications ISO 9001:2015 until 16/03/2019

Keywords Coatings, Sustainability, Light metals, Wear resistant, Corrosion resistant

Memberships

Overview of lightweighting expertise

Machine translation

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	Research	Development	Manufacturing & Supply
Offer			
Products Machines and plants, Systems and end products, Materials	✓	✓	✓
Services & consulting Testing and trials, Prototyping, Validation	✓	✓	✓

Overview of lightweighting expertise

Machine translation

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	Research	Development	Manufacturing & Supply
Field of technology			
Design & layout Lightweight manufacturing	✓	✓	✓
Functional integration Material functionalisation	✓	✓	✓
Measuring and testing technology Visual analysis (e.g. microscopy, metallography), Materials analysis, Destructive analysis, Non- destructive analysis	✓	✓	✓
<i>Modelling and simulation</i>			
Plant construction & automation Plant construction			✓
<i>Recycling technologies</i>			
Manufacturing process			
<i>Additive manufacturing</i>			
Coating (surface engineering) Galvanising, Plasma process, Others (PEO - Plasma Electrolytic Oxidation Hard anodising Anodising)	✓	✓	✓
<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>			
Metals			
Aluminium, Magnesium, Titanium	✓	✓	✓
<i>Plastics</i>			
<i>Structural ceramics</i>			
<i>(Technical) textiles</i>			

Contacts

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

Mr Michael Brenner

info@ceranod.de