Wieland eTraction Systems GmbH

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About this organisation

Machine translation

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

Wieland eTraction Systems is a subsidiary of Wieland-Werke AG. The company emerged from the takeover of Breuckmann eMobility GmbH in August 2022. The expertise gained from years of development work in the field of porosity-free die casting of high-performance rotors for asynchronous machines (ASM) with copper and aluminium as cage material: Zero Porosity Rotor, or ZPR® for short, is used in the rail, industrial and automotive sectors.

Wieland eTraction Systems GmbH focuses on the automotive industry with the aim of meeting future government and industrial requirements for asynchronous electric motor types by manufacturing high-quality, high-performance rotors. The company has been involved in the production of rotors for electric machines since 2008. During this time, new processes, systems and rotors of unprecedented quality have been realised. By casting porosity-free rotors, the company is able to set a new industry standard.

Ziegeleiweg 20
42555 Velbert / Langenberg
North Rhine-Westphalia
Germany
www.wieland.com/de/ueber-uns/wieland-weltweit/wieland-etraction-systems

Organisation type
Large enterprises

Sectors

Employees
10 up to 49

Turnover
€2m - €10m

Funding

ZPR®
Zero Porosity Rotor

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About this organisation

Main areas covered	Rotor - Zero Porosity Rotor - ZPR, Cast rotor for asynchronous motor (ASM)
Infrastructure	
Certifications	
Keywords	Asynchronous rotor, Cast iron rotor, Copper rotor, Aluminium rotor, Asynchronous machine (ASM)
Memberships	Innovation network - FREEM, https://www.freem-nw.de/

Overview of lightweighting expertise

Machine translation

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

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Overview of lightweighting expertise

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	Research	Development	Manufacturing & Supply
Field of technology			
Design & layout Lightweight manufacturing, Hybrid structures	✓	✓	✓
Functional integration			
Measuring and testing technology			
Modelling and simulation Optimisation, Processes			✓
Plant construction & automation			
Recycling technologies			
Manufacturing process			
Additive manufacturing			
Coating (surface engineering)			
Fibre composite technology			
Forming			
Joining			
Material property alteration			
Primary forming Casting, Others (Die casting)	✓	✓	✓
Processing and separating			
Textile technology			

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Overview of lightweighting expertise

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	Research	Development	Manufacturing & Supply
Material			
Biogenic materials			
Cellular materials (foam materials)			
Composites			
Fibres			
Functional materials			
Metals Aluminium, Others (Copper)	✓	✓	✓
Plastics			
Structural ceramics			
(Technical) textiles			

Contacts

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Contacts

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