

Additive Drives GmbH

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About this organisation

Machine translation

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

Development through to series production of new, more efficient and more powerful electric motors using innovative manufacturing processes.

Additive Drives can realise a high degree of freedom in component design through additive manufacturing. This opens up new design possibilities for the components of the electric motor, which are also evaluated according to lightweight construction criteria. These include cooling concepts, conductor material use and slot fill factor, which can reduce the overall weight of the motor, particularly by significantly increasing efficiency.

Pforzheimer Straße 7a
01189 Dresden
Saxony
Germany
www.additive-drives.de



Organisation type

Small or medium-sized enterprise

Sectors



Employees

50 up to 249

Turnover

€2m - €10m

Funding

n/a



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Main areas covered	E-motor production, 3D printing, Heat exchanger, Prototype development
Infrastructure	Laboratory, E-motor test bench, Electrical testing, E-motor construction process chain, Climate change chamber
Certifications	ISO 9001
Keywords	Additive manufacturing, E-motor, Copperplate printing, Stator, Rotor
Memberships	

Overview of lightweighting expertise

Machine translation

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	Research	Development	Manufacturing & Supply
Offer			
Products Parts and components, Materials	✓	✓	✓
Services & consulting Consulting, Testing and trials, Engineering, Prototyping, Validation, Simulation	✓	✓	✓

Overview of lightweighting expertise

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

Overview of lightweighting expertise

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	Research	Development	Manufacturing & Supply
Manufacturing process			
Additive manufacturing 3D printing, Selective laser melting (SLM, LPBF, ...)	✓	✓	✓
Coating (surface engineering) Painting, Powder coating, Others (Immersion process)	✓	✓	✓
<i>Fibre composite technology</i>			
Forming Bending	✓	✓	✓
Joining Hybrid joining, Adhesive bonding, Soldering, Screwing, Welding	✓	✓	✓
<i>Material property alteration</i>			
<i>Primary forming</i>			
Processing and separating Drilling, Turning, Milling, Sawing, Grinding	✓	✓	✓
<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, Steel, Others (Copper)	✓	✓	✓
<i>Plastics</i>			
<i>Structural ceramics</i>			
<i>(Technical) textiles</i>			

Contacts

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Contacts

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