

About this organisation

Machine translation

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

The company classifies itself as an IT service provider and engineering office with a focus on digitalisation and IT security.

The company develops prototypes for ultra-light computer housings for mobile use. For this purpose, the prototype is planned using CAD / CAE technologies and manufactured using a special magnesium alloy. Furthermore, a web application for calculating the CO2 emissions of lightweight magnesium components is being developed. The model considers the entire product life cycle (cradle-to-grave). The entry into this field of research resulted from the CLEAN-Mag project, which was led by the TU Bergakademie Freiberg and funded by the Federal Ministry of Economics and Climate Protection (BMWK).

Auf dem Steinstück 20
58769 Nachrodt-Wiblingwerde
North Rhine-Westphalia
Germany

www.mankord.com



Organisation type

Small or medium-sized enterprise

Sector



Employees

Up to 9

Turnover

Up to €2m

Funding

n/a

Main areas covered Enclosures for computers and electronics, CAD / CAE prototyping, Development of database systems

Infrastructure Engineering office, Prototyping workshop

Certifications

Keywords Housing, Electronics, Computer, Database, Web application

Memberships

Overview of lightweighting expertise

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	Research	Development	Manufacturing & Supply
Offer			
Products Software & databases, Systems and end products	✓	✓	✓
Services & consulting Training, Consulting, Prototyping, Others (Digitisation)	✓	✓	
Field of technology			
<i>Design & layout</i>			
<i>Functional integration</i>			
<i>Measuring and testing technology</i>			
Modelling and simulation Life-cycle analysis	✓	✓	
<i>Plant construction & automation</i>			
<i>Recycling technologies</i>			

Overview of lightweighting expertise

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	Research	Development	Manufacturing & Supply
Manufacturing process			
Additive manufacturing 3D printing	✓	✓	
Coating (surface engineering)			
Fibre composite technology			
Forming			
Joining			
Material property alteration			
Primary forming			
Processing and separating			
Textile technology			

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			
Magnesium	✓	✓	
Plastics			
Thermoplastics	✓	✓	
<i>Structural ceramics</i>			
<i>(Technical) textiles</i>			

Contacts

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Contacts

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