

About this organisation

Machine translation

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

We produce innovative fuelling systems in the fuel sector, selective catalytic reduction systems (SCR), camshafts and camera and sensor cleaning systems for automotive manufacturers worldwide. Kautex also develops pioneering solutions for the era of new mobility, such as battery systems (pentatonic systems) for hybrid and fully battery electric vehicles or autonomous cleaning systems for vehicles.

Expertise and systems engineering in extrusion and injection moulding technology and the processing of FRP materials.

Kautexstraße 52
53229 Bonn
North Rhine-Westphalia
Germany
www.kautex.com



Organisation type
Large enterprises

Sector
A small icon of a car, representing the automotive sector.

Employees
500 and more

Turnover
More than €50m

Funding

Main areas covered Lightweight high-voltage battery housing, Extrusion and injection moulding techn., Fibre composites

Infrastructure Mechanical and thermal tests, Material analysis and analytics, Component & part analysis, Visual analysis (e.g. microcopy)

Certifications ISO 9001

Keywords Battery, Lightweight construction, Injection moulding, Impact extrusion, Plastics

Memberships IKV Advisory Board Group

Overview of lightweighting expertise

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	Research	Development	Manufacturing & Supply
Offer			
Products Parts and components, Systems and end products	✓	✓	✓
<i>Services & consulting</i>			
Field of technology			
Design & layout Hybrid structures, Lightweight construction concepts, Lightweight material construction	✓	✓	✓
Functional integration Media conductivity, Sensor technology, Thermal activation, Material functionalisation			✓
Measuring and testing technology Component and part analysis, Visual analysis (e.g. microscopy, metallography), System analysis, Environmental simulation, Materials analysis, Destructive analysis, Non-destructive analysis			✓
Modelling and simulation Crash behaviour, Loads & stress, Life-cycle analysis, Optimisation, Processes, Structural mechanics, Materials, Reliability validation			✓
<i>Plant construction & automation</i>			
Recycling technologies Downcycling, Recycling	✓	✓	

Overview of lightweighting expertise

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	Research	Development	Manufacturing & Supply
Manufacturing process			
Additive manufacturing			
Others (Impact extrusion and injection moulding)	✓	✓	✓
<i>Coating (surface engineering)</i>			
Fibre composite technology			
Pre-preg processing		✓	✓
Forming			
Impact extrusion	✓	✓	✓
<i>Joining</i>			
<i>Material property alteration</i>			
Primary forming			
Injection moulding	✓	✓	✓
<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>			
Composites Glass-fiber reinforced plastics (GFRP)		✓	✓
Fibres Glass fibres		✓	✓
<i>Functional materials</i>			
Metals Aluminium, Magnesium		✓	✓
Plastics Thermoplastics		✓	✓
<i>Structural ceramics</i>			
<i>(Technical) textiles</i>			

Contacts

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Contacts

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