

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

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	Research	Development	Manufacturing & Supply
<b>Manufacturing process</b>			
<b>Additive manufacturing</b>			
Others (Impact extrusion and injection moulding)	✓	✓	✓
<i>Coating (surface engineering)</i>			
<b>Fibre composite technology</b>			
Pre-preg processing		✓	✓
<b>Forming</b>			
Impact extrusion	✓	✓	✓
<i>Joining</i>			
<i>Material property alteration</i>			
<b>Primary forming</b>			
Injection moulding	✓	✓	✓
<i>Processing and separating</i>			
<i>Textile technology</i>			

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	Research	Development	Manufacturing & Supply
<b>Material</b>			
<i>Biogenic materials</i>			
<i>Cellular materials (foam materials)</i>			
<b>Composites</b> Glass-fiber reinforced plastics (GFRP)		✓	✓
<b>Fibres</b> Glass fibres		✓	✓
<i>Functional materials</i>			
<b>Metals</b> Aluminium, Magnesium		✓	✓
<b>Plastics</b> Thermoplastics		✓	✓
<i>Structural ceramics</i>			
<i>(Technical) textiles</i>			

## Contacts

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Mr Dr. -Ing. Moritz Lipperheide

*Director Research*

[moritz.lipperheide@kautex.textron.com](mailto:moritz.lipperheide@kautex.textron.com)

Mr Carsten Elsasser

*Director Innovation & Strategy*

[carsten.elsasser@kautex.textron.com](mailto:carsten.elsasser@kautex.textron.com)

Mr Daniel Harms

*Project Manager Recycling & Sustainability*

[daniel.harms@kautex.textron.com](mailto:daniel.harms@kautex.textron.com)