

Vorwerk Autotec GmbH & Co. KG

Development

About this organisation

Machine translation

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

Vorwerk Autotec is part of the international Vorwerk & Sohn Group Expertise in the areas of materials processing & machining as well as materials research & development.

Thermoplastic injection moulding, thermoset injection moulding, organic sheet, thermoplastic tapes

Obere Lichtenplatzer Str. 336
42287 Wuppertal
North Rhine-Westphalia
Germany
www.vorwerk-autotec.com



Organisation type
Large enterprises

Sectors
 

Employees
500 and more

Turnover
More than €50m

Funding



Main areas covered Injection moulding, vulcanisation,

Infrastructure Laboratory, static/dynamic test benches

Certifications ISO9001; IATF 16949

Keywords NVH expert; chassis component

Memberships

Overview of lightweighting expertise

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	Research	Development	Manufacturing & Supply
Offer			
Products Parts and components, Semi-finished parts, Systems and end products, Materials	✓	✓	
Services & consulting Training, Consulting, Testing and trials, Engineering, Prototyping, Validation, Simulation		✓	
Field of technology			
Design & layout Lightweight manufacturing, Hybrid structures, Lightweight construction concepts, Lightweight material construction	✓	✓	✓
Functional integration 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, Multiphysics simulation, Optimisation, Processes, Structural mechanics, Materials	✓	✓	✓
Plant construction & automation Automation technology	✓	✓	✓
Recycling technologies Material separation, Recycling			✓

Overview of lightweighting expertise

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	Research	Development	Manufacturing & Supply
Manufacturing process			
Additive manufacturing 3D printing	✓	✓	
Coating (surface engineering) Painting, Powder coating	✓	✓	✓
<i>Fibre composite technology</i>			
<i>Forming</i>			
<i>Joining</i>			
<i>Material property alteration</i>			
<i>Primary forming</i>			
Processing and separating Drilling, Turning, Milling, Sawing, Shearing/ punching, Grinding, Cutting	✓	✓	
<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	✓	✓	✓
Functional materials Piezoelectric materials	✓		
Metals Aluminium, Steel	✓	✓	✓
Plastics Thermoset plastics, Elastomers, Thermoplastics	✓	✓	✓
<i>Structural ceramics</i>			
<i>(Technical) textiles</i>			

Contacts

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Contacts

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