

M.TEC Ingenieurgesellschaft für kunststofftechnische Produktentwicklung mbH

About this organisation

Machine translation

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

M.TEC is an engineering company specialising in holistic product development. Interdisciplinary teams of experts develop and design technical products from the initial idea to series production. Renowned brands and internationally operating companies from the automotive, medical, telecommunications, household appliances, electronics and building technology sectors have been placing their trust in M.TEC's engineering services for over 25 years.

M.TEC works as a consultant and interdisciplinary engineering service provider in the development and design of lightweight components (fibre composites and hybrid construction). All factors such as material properties, manufacturing processes and life cycle management are reflected in component design. Even the initial design must take all influences into account. As an interdisciplinary development service provider, M.TEC supplies the mechanical component design, simulations of the production processes (draping simulation, filling simulation, warpage simulation, etc.) and the development and design of tools and devices. Simulating revolutionary production processes using method development - M.TEC's M.TEC CAE business unit has repeatedly mapped new, revolutionary production methods in simulation with its method development. As a pioneer and driver of innovation, M.TEC CAE is able to simulate practically any manufacturing process.

Dornkaulstraße 4
52134 Aachen
North Rhine-Westphalia
Germany
www.mtec-engineering.de



Organisation type

Small or medium-sized enterprise

Sectors



Employees

10 up to 49

Turnover

€2m - €10m

Funding

n/a

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Main areas covered	Development & Construction, Simulation & calculation, Counselling
Infrastructure	
Certifications	ISO 9001
Keywords	Simulation, FEM calculation, Component design, Engineering service provider
Memberships	

Overview of lightweighting expertise

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	Research	Development	Manufacturing & Supply
Offer			
<i>Products</i>			
Services & consulting Consulting, Testing and trials, Engineering, Prototyping, Validation, Simulation, Others: null		✓	

Overview of lightweighting expertise

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	Research	Development	Manufacturing & Supply
Field of technology			
Design & layout Lightweight manufacturing, Lightweight design, Hybrid structures, Lightweight construction concepts, Lightweight material construction		✓	
<i>Functional integration</i>			
Measuring and testing technology Component and part analysis, Materials analysis, Non-destructive analysis		✓	
Modelling and simulation Crash behaviour, Loads & stress, Life-cycle analysis, Multiphysics simulation, Optimisation, Processes, Structural mechanics, Materials, Reliability validation, Others: null	✓	✓	
<i>Plant construction & factory automation</i>			
<i>Recycling technologies</i>			
Manufacturing process			
<i>Additive manufacturing</i>			
<i>Coating (surface engineering)</i>			
<i>Fibre composite technology</i>			
<i>Forming</i>			
<i>Joining</i>			
<i>Material property alteration</i>			
<i>Primary forming</i>			
<i>Processing and separating</i>			
<i>Textile technology</i>			

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Overview of lightweighting expertise

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Research Development **Manufacturing
& Supply**

Material

Biogenic materials

Cellular materials (foam materials)

Composites

Fibres

Functional materials

Metals

Plastics

Structural ceramics

(Technical) textiles

Contacts

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