MATFEM Partnership Dr Gese & Oberhofer

About this organisation

Machine translation

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

MATFEM offers consulting in the areas of FEM (FEMservices division) and material characterisation for FEM (ComonLab division). MATFEM also offers material models for coupling to commercial FEM programmes. The main product is the modular material model MF GenYld+CrachFEM. This material model can be used to describe metals, plastics and composites in misue and crash simulation.

Our material model MF GenYld+CrachFEM allows the modelling of all essential materials for lightweight construction in automotive engineering (light metals as sheet metal, extrusion profiles and castings; high-strength steels; unreinforced and short-fibre reinforced plastics, organic sheets, composites). We have experience with aerospace materials. We have test programmes for all these materials as a basis for the creation of FEM material cards.

Pettenkoferstrasse 29
80336 München
Bavaria
Germany
www.matfem.de

Organisation type
Small or medium-sized enterprise

Sectors

Employees
10 up to 49

Turnover
€2m - €10m

Funding

Main areas covered	material testing, material models, CAE simulation
Infrastructure	server for CAE simulation, partner labs for material testing
Certifications	Internal QA processes
Keywords	finite element analysis, material testing, Material modelling
Memberships	

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Overview of lightweighting expertise

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	Research	Development	Manufacturing & Supply
Offer			
Products			
Services & consulting			
Field of technology			
Design & layout			
Functional integration			
Measuring and testing technology Component and part analysis, Visual analysis (e.g. microscopy, metallography), Materials analysis, Destructive analysis	✓	✓	
Modelling and simulation Crash behaviour, Loads & stress, Optimisation, Processes, Structural mechanics, Materials	✓	✓	
Plant construction & automation			
Recycling technologies			

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Overview of lightweighting expertise

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	Research	Development	Manufacturing & Supply
Manufacturing process			
Additive manufacturing			
Coating (surface engineering)			
Fibre composite technology			
Forming			
Joining			
Material property alteration			
Primary forming			
Processing and separating			
Textile technology			
Material			
Biogenic materials			
Cellular materials (foam materials)			
Composites			
Fibres			
Functional materials			
Metals			
Plastics			
Structural ceramics			
(Technical) textiles			

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Contacts

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