## Eckerle GmbH

### About this organisation

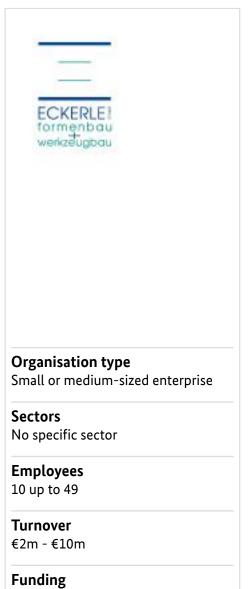
#### **Machine translation**

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

Eckerle GmbH specialises in the construction of complex 2-3K, back-injection, high-gloss and chrome tools as well as IMD, CFRP and GFRP tools. We have been developing and manufacturing moulding and pressing tools for series production and for research purposes in lightweight and hybrid construction for many years. We also manufacture components for the automotive and lorry supply industry, medical technology and for the electrical and household industries.

Successful participation in several lightweight construction research projects, e.g: "MAI-CARBON ROOF BARS": Weight reduction through the use of 4 bundled CF continuous fibre rods, formed, heated and inserted into an injection moulding tool for overmoulding. "MAI-CARON MULTI-Skeleton": Follow-up project to roof bow by using 2 pieces of bundled CF continuous fibre rods formed together as a cross-node element, heated and inserted into an injection mould for overmoulding incl. GID process. "AIF-Sandwich": Production of a test tool and demonstrator component of a section of a wheel arch liner with two different inlay textiles/velour on the outside, the core is made of foamed plastic and was produced using the SG process. "Optimum": Development and production of a hybrid forming tool with fibre-reinforced plastic as an alternative to sheet steel for car doors including window frames.

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### About this organisation

Main areas covered	Injection moulding and forming tools, Lightweight construction partial development, Hybrid forming and pressing tools	
Infrastructure	Climate control cabinet, Tensile tester, Measuring machine, Filling simulation	
Certifications	ISO 9001, EMAS, Bavarian Environmental Pact, Bavarian Family Pact	
Keywords	Mould making, Toolmaking, Injection moulding	
Memberships		

## Overview of lightweighting expertise

#### **Machine translation**

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	Research	N Development	lanufacturing & Supply
Offer			
Products			
<b>Services &amp; consulting</b> Training, Testing and trials, Engineering, Prototyping, Validation, Simulation, Technology transfer, Maintenance and repair			$\checkmark$
Field of technology			
Design & layout			
Functional integration			
Measuring and testing technology			
Modelling and simulation			
Plant construction & automation			
Recycling technologies			

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## Overview of lightweighting expertise

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	Research	N Development	lanufacturing & 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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