

# KOLLER Mould Making GmbH

## KOLLER Group

### About this organisation

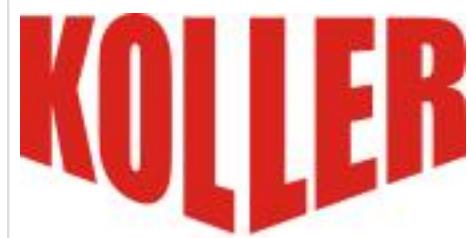
#### Machine translation

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

Almost 30 years ago, KOLLER Formenbau GmbH laid the foundation for today's KOLLER Group, an internationally active Tier 1 automotive supplier with all plastic and hybrid technologies for sustainable lightweight components. The owner-managed company is headquartered in Dietfurt an der Altmühl and employs more than 1000 people at its sites in Germany, Hungary, Mexico and China.

With the first in-house product development in 1998 based on PU/paper honeycomb sandwich technology, lightweight load floors and hat racks were established in the luggage compartments of car manufacturers. With the expertise for complex large tools for mould making customers, the wet pressing of carbon fibre stacks for body components of electric vehicles was added in the following years as in-house production and the first SMC lightweight components for soft top lids. With the construction of the new lightweight construction centre in Lupburg on the A3 in 2017, thermoplastic lightweight construction technologies such as gas internal pressure technology, metal/plastic hybrid technologies, MAI skeleton technology and thermoplastic foam injection moulding in 1K and 2K were added to the core competencies. With a universal pilot plant and in-house tools, sustainable materials and fibres are currently being qualified together with customers for future use to meet statutory recycling quotas.

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92345 Dietfurt an der Altmühl  
Bavaria  
Germany  
[www.koller-gruppe.de](http://www.koller-gruppe.de)



#### Organisation type

Small or medium-sized enterprise

#### Sectors



Others: Light Electric Vehicles (LEV)

#### Employees

50 up to 249

#### Turnover

€10m - €50m

#### Funding

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<b>Main areas covered</b>	Prototype, test and series tools
<b>Infrastructure</b>	Tool development, Process development
<b>Certifications</b>	ISO 9001, Group; IATF 16949, ISO 14001, ISO 50001
<b>Keywords</b>	Complex large tools for everyone, Thermoplastic, thermoset and hybrid materials, Technologies
<b>Memberships</b>	Lightweight construction cluster at the university, Landshut (Partner), Digital start-up centre Parsberg, (Sponsor), Lightweight construction advisory board at KUZ Leipzig

### Overview of lightweighting expertise

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Manufacturing  
Research   Development   & Supply

#### Offer

##### Products

Parts and components, Semi-finished parts,  
Machines and plants, Systems and end  
products, Tools and moulds



##### Services & consulting

Consulting, Engineering, Prototyping,  
Simulation, Maintenance and repair



## Overview of lightweighting expertise

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Field of technology	Research	Development	Manufacturing & Supply
	Research	Development	Manufacturing & Supply
<b>Design &amp; layout</b> Lightweight manufacturing, Lightweight design, Hybrid structures, Lightweight construction concepts, Lightweight material construction	✓	✓	✓
<i>Functional integration</i>			
<b>Measuring and testing technology</b> Component and part analysis			✓
<b>Modelling and simulation</b> Loads & stress, Optimisation, Processes, Materials	✓	✓	
<b>Plant construction &amp; automation</b> Plant construction, Automation technology, Handling technology, Robotics	✓	✓	✓
<b>Recycling technologies</b> Downcycling, Material separation, Recycling, Upcycling			✓

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	Research	Development	Manufacturing & Supply
<b>Manufacturing process</b>			
<b>Additive manufacturing</b> Deposition welding		✓	✓
<b>Coating (surface engineering)</b> Painting			✓
<b>Fibre composite technology</b> Fibre spraying, Manual lamination, Resin transfer moulding, Pre-preg processing, Vacuum infusion	✓	✓	✓
<b>Forming</b> Compression moulding, Thermal converting, Deep-drawing			✓
<b>Joining</b> Hybrid joining, Adhesive bonding, Screwing, Welding			✓
<b>Material property alteration</b> Mechanical treatment, Thermochemical treatment, Heat treatment			✓
<b>Primary forming</b> Injection moulding	✓	✓	✓
<b>Processing and separating</b> Drilling, Turning, Milling, Electrical discharge machining, Honing, Sawing, Grinding, Cutting	✓	✓	✓
<i>Textile technology</i>			

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Material	Research	Development	Manufacturing
			& Supply
<b>Biogenic materials</b> Bioplastics, Biocomposites, Wood	✓	✓	✓
<b>Cellular materials (foam materials)</b> Others (Thermoplastic foam injection moulding (TSG))	✓	✓	✓
<b>Composites</b> Glass-fiber reinforced plastics (GFRP), Carbon-fiber reinforced plastics (CFRP), Natural fibre reinforced plastics (NFRP)	✓	✓	✓
<b>Fibres</b> Aramid fibres, Glass fibres, Carbon fibres, Natural fibres	✓	✓	✓
<i>Functional materials</i>			
<b>Metals</b> Aluminium, Steel	✓	✓	✓
<b>Plastics</b> Thermoset plastics, Elastomers, Thermoplastics	✓	✓	✓
<i>Structural ceramics</i>			
<b>(Technical) textiles</b> Yarns, rovings, Meshes, Laid webs, Woven fabrics, Nonwovens, mats	✓	✓	✓

### Contacts

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