

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.

Oberbürg 24
92345 Dietfurt an der Altmühl
Bavaria
Germany
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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Main areas covered	Prototype, test and series tools
Infrastructure	Tool development, Process development
Certifications	ISO 9001, Group:, IATF 16949, ISO 14001, ISO 50001
Keywords	Complex large tools for everyone, Thermoplastic, thermoset and hybrid materials, Technologies
Memberships	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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	Research	Development	Manufacturing & 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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	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			✓
Modelling and simulation Loads & stress, Optimisation, Processes, Materials		✓	✓
Plant construction & automation Plant construction, Automation technology, Handling technology, Robotics	✓	✓	✓
Recycling technologies Downcycling, Material separation, Recycling, Upcycling			✓

Overview of lightweighting expertise

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

Overview of lightweighting expertise

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

Contacts

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