

About this organisation

Machine translation

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

BAUMGARTEN is an experienced partner for all questions and challenges relating to the realisation of complex component solutions made from thermoset plastics. Based on over 60 years of processing experience, we develop competent solutions and outstanding added value for our customers. We are a family business in which open cooperation, fairness and respect can be experienced.

Based on our decades of experience, we can assess the potential and possibilities in the realisation of lightweight construction measures and provide our customers with comprehensive advice. The substitution of metal components with a solution using thermosetting plastics is our daily business. The very high degree of design freedom and the component solutions, most of which can be moulded, eliminate the need for complex and cost-intensive machining processes, which also offers high monetary incentives. Concrete and proven system integrations also save weight and reduce the number of components in a module. The resulting reduction in joining operations, for example, further increases the attractiveness of solutions using thermoset plastics.

Carl-Benz-Str. 46
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Germany
www.bat-duro.com



Organisation type

Small or medium-sized enterprise

Sectors



Employees

50 up to 249

Turnover

n/a

Funding



Baumgarten automotive technics GmbH

About this organisation

Main areas covered	Injection moulding, injection embossing, pressing, Lapping, centreless / fine grinding
Infrastructure	Production machines, automation, High-volume production
Certifications	IATF 16949
Keywords	Thermoset, Thermoset, BMC, Phenol, Epoxy, EP,, Design freedom, robust, durable, Functional components, electronics,, Media-tight, functional integration
Memberships	KIMW Lüdenscheid

Overview of lightweighting expertise

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	Research	Development	Manufacturing & Supply
Offer			
Products Parts and components, Semi-finished parts, Materials, Tools and moulds	✓	✓	✓
Services & consulting Training, Consulting, Distribution, Testing and trials, Engineering, Prototyping, Technology transfer, 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	✓	✓	✓
Functional integration Actuator technology, Media conductivity, Sensor technology, Thermal activation, Material functionalisation	✓	✓	✓
Measuring and testing technology Component and part analysis, Visual analysis (e.g. microscopy, metallography), Destructive analysis, Non-destructive analysis		✓	✓
Modelling and simulation Processes, Materials		✓	✓
Plant construction & automation Automation technology, Handling technology, Robotics		✓	✓
Recycling technologies Downcycling, Material separation	✓	✓	✓

Overview of lightweighting expertise

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	Research	Development	Manufacturing & Supply
Manufacturing process			
<i>Additive manufacturing</i>			
<i>Coating (surface engineering)</i>			
Fibre composite technology Fibre spraying, Pre-preg processing, Spraying (concrete)		✓	✓
<i>Forming</i>			
<i>Joining</i>			
Material property alteration Mechanical treatment, Thermochemical treatment, Thermomechanical treatment, Heat treatment	✓	✓	✓
Primary forming Casting, Sintering, 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 Biocomposites	✓	✓	✓
<i>Cellular materials (foam materials)</i>			
Composites Glass-fiber reinforced plastics (GFRP), Carbon-fiber reinforced plastics (CFRP), Metal-fibre-polymer composite, Natural fibre reinforced plastics (NFRP), Particulate composites	✓	✓	✓
Fibres Aramid fibres, Glass fibres, Ceramic fibres, Carbon fibres, Natural fibres	✓	✓	✓
<i>Functional materials</i>			
<i>Metals</i>			
Plastics Thermoset plastics	✓	✓	✓
<i>Structural ceramics</i>			
<i>(Technical) textiles</i>			

Contacts

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Contacts

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