

## About this organisation

German family-owned company ARBURG is one of the world's leading manufacturers of plastic processing machines. Its product portfolio encompasses ALLROUNDER injection moulding machines with clamping forces of between 125 and 6,500 kN, freeformers for industrial additive manufacturing and robotic systems, customer and industry-specific turnkey solutions and further peripheral equipment.

With a network of expert partners and universities, ARBURG is constantly developing new solutions for the injection molding as well as additive manufacturing of lightweight parts. The range extends from function-specific product design and the modification of processes and plastics, through to multi-material design. The result are processes and additional equipment paired with a high level of consulting expertise. A practical example is the innovative Fibre Direct Compounding (FDC), which can also be combined with the overmoulding of continuous fiber-reinforced thermoplastic inserts (thermoplastic composite sheets).

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# ARBURG

### Organisation type

Large enterprises

### Sectors



### Employees

500 and more

### Turnover

More than €50m

### Funding



## About this organisation

<b>Main areas covered</b>	Plastic processing machines
<b>Infrastructure</b>	Customer Center
<b>Certifications</b>	ISO 9001 (Quality), ISO 14001 (Environment), ISO 50001 (Energy)
<b>Keywords</b>	Physical/Chemical Foaming, Fibre direct compounding , Thermoplastic composites, Additive manufacturing
<b>Memberships</b>	

## Overview of lightweighting expertise

	Research	Development	Manufacturing & Supply
<b>Offer</b>			
<b>Products</b> Machines and plants, Software & databases		✓	✓
<b>Services &amp; consulting</b> Training, Consulting, Testing and trials, Prototyping		✓	✓
<b>Field of technology</b>			
<i>Design &amp; layout</i>			
<i>Functional integration</i>			
<i>Measuring and testing technology</i>			
<i>Modelling and simulation</i>			
<b>Plant construction &amp; automation</b> Plant construction, Automation technology, Handling technology, Robotics		✓	✓
<b>Recycling technologies</b> Upcycling			✓

## Overview of lightweighting expertise

	Research	Development	Manufacturing & Supply
<b>Manufacturing process</b>			
<b>Additive manufacturing</b>			
3D printing		✓	✓
Coating (surface engineering)			
Fibre composite technology			
Forming			
Joining			
Material property alteration			
<b>Primary forming</b>			
Injection moulding		✓	✓
Processing and separating			
Textile technology			
<b>Material</b>			
<b>Biogenic materials</b>			
Bioplastics, Biocomposites			✓
Cellular materials (foam materials)			
Composites			
<b>Fibres</b>			
Glass fibres			✓
Functional materials			
Metals			
<b>Plastics</b>			
Thermoset plastics, Elastomers, Thermoplastics			✓
Structural ceramics			
(Technical) textiles			

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