

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

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

Overview of lightweighting expertise

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

Overview of lightweighting expertise

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

Contacts

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