

FRIMO Group GmbH

The company

About this organisation

Machine translation

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

The FRIMO Group is one of the world's leading manufacturers of system solutions for the production of high-quality plastic components. For more than five decades, customised tool and system technology has been used by FRIMO customers worldwide. The company has developed from a traditional mould and system supplier into a global technology partner.

FRIMO develops systems and tools for the production of lightweight components in fibre composite construction. All aspects are covered, from process design, tool and system design to prototype sampling and support during the start of series production. FRIMO relies on the use of polyurethane, both for the foam core and as a matrix material. The foam cores are produced directly in their three-dimensional contour; functional integration is possible on request (e.g. screw-on points). This procedure eliminates the need to mill the contour from a foam block. The foam core and the fibres used for the respective application are processed in an RTM (Resin Transfer Moulding) process. The advantage of the RTM process is very short cycle times, which is why the process is predestined for large-scale production. On request, the components can be provided with a structured surface, e.g. a bionic surface.

Hansaring 1
49504 Lotte
North Rhine-Westphalia
Germany
www.frimo.com



Organisation type

Large enterprises

Sectors



Employees

500 and more

Turnover

More than €50m

Funding



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Main areas covered	PUR processing/tools/equipment, Flexible cutting / punching, Pressing / moulding / thermoforming, Laminating / folding, Joining / bonding
Infrastructure	Foaming processes, RTM processes, Paint booth, Process evaluation
Certifications	ISO 9001
Keywords	Street Shark, Function integration, Bionic surfaces, Sandwich, Lightweight construction
Memberships	

Overview of lightweighting expertise

Machine translation

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	Research	Development	Manufacturing & Supply
Offer			
Products Machines and plants, Tools and moulds	✓	✓	✓
Services & consulting Training, Consulting, Testing and trials, Engineering, Prototyping, Maintenance and repair			✓

Overview of lightweighting expertise

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	Research	Development	Manufacturing & Supply
Field of technology			
Design & layout Lightweight construction concepts, Lightweight material construction	✓	✓	✓
Functional integration Material functionalisation	✓	✓	✓
<i>Measuring and testing technology</i>			
<i>Modelling and simulation</i>			
Plant construction & automation Plant construction		✓	✓
<i>Recycling technologies</i>			
Manufacturing process			
<i>Additive manufacturing</i>			
<i>Coating (surface engineering)</i>			
Fibre composite technology Others (RTM (Resin Transfer Moulding))	✓	✓	
<i>Forming</i>			
<i>Joining</i>			
<i>Material property alteration</i>			
<i>Primary forming</i>			
<i>Processing and separating</i>			
<i>Textile technology</i>			

Overview of lightweighting expertise

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**Research Development Manufacturing
& Supply**

Material

Biogenic materials

Cellular materials (foam materials)

Composites

Fibres

Functional materials

Metals

Plastics

Structural ceramics

(Technical) textiles

Contacts

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Mr Karl-Heinz Stelzl

Head of Technology Development

stelzl.kh@frimo.com