

ProTec Polymer Processing GmbH

About this organisation

Machine translation

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

ProTec Polymer Processing GmbH is an internationally active system supplier for the plastics industry based in Bensheim and is part of the internationally operating Schoeller Group. With our know-how and our flexible approaches, we are leaders in the fields of material handling, plastics processing, recycling and complete systems for the production of long fibre thermoplastics (LFT pultrusion systems). Our products and solutions and

ProTec offers a complete production line for the manufacture of long fibre reinforced thermoplastics (LFT) in granulate form and as UD tapes (unidirectionally reinforced tapes). The system is highly flexible and is designed for variable formulations. The LFT pultrusion system from ProTec is tailored to the economical production of high-quality thermoplastics with fibres in pellet length. In practice, LFT materials with fibre lengths of 7 mm to 25 mm are common. In the injection moulding process, LFTs produce highly resilient lightweight components with a very good surface quality, as required in the automotive industry in particular. ProTec's LFT system technology is suitable for producing a wide range of materials with different fibre reinforcements and a diverse polymer matrix, which can also be compounded directly during LFT production. Even the technically difficult combination of carbon fibre with PP can be reliably produced.

Stubenwald-Allee 9
64625 Bensheim
Hesse
Germany
www.sp-protec.com

**ProTec Polymer
Processing**

Organisation type

Small or medium-sized enterprise

Sectors

No specific sector

Employees

50 up to 249

Turnover

n/a

Funding

n/a



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About this organisation

Main areas covered	LFT pultrusion systems
Infrastructure	In-house LFT technical centre
Certifications	ISO 9001
Keywords	Long fibre reinforced thermoplastics, LFT, LFT granules, UD Tapes, LFT Pultrusion
Memberships	

Overview of lightweighting expertise

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	Research	Development	Manufacturing & Supply
Offer			
Products Machines and plants		✓	✓
Services & consulting Testing and trials	✓	✓	
Field of technology			
<i>Design & layout</i>			
<i>Functional integration</i>			
<i>Measuring and testing technology</i>			
<i>Modelling and simulation</i>			
Plant construction & factory automation Plant construction	✓	✓	✓
<i>Recycling technologies</i>			

Overview of lightweighting expertise

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	Research	Development	Manufacturing & Supply
Manufacturing process			
Additive manufacturing			
Coating (surface engineering)			
Fibre composite technology			
Forming			
Joining			
Material property alteration			
Primary forming			
Processing and separating			
Textile technology			

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Overview of lightweighting expertise

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	Research	Development	Manufacturing & Supply
Material			
Biogenic materials Biocomposites	✓		
<i>Cellular materials (foam materials)</i>			
Composites Aramid fibre composites, Glass-fiber reinforced plastics (GFRP), Carbon-fiber reinforced plastics (CFRP), Metal-fibre-polymer composite, Natural fibre reinforced plastics (NFRP)	✓		
Fibres Aramid fibres, Glass fibres, Carbon fibres, Metal fibres, Natural fibres	✓		
<i>Functional materials</i>			
<i>Metals</i>			
Plastics Thermoplastics	✓		
<i>Structural ceramics</i>			
<i>(Technical) textiles</i>			

Contacts

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Contacts	
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