

FKT Mould Making and Plastics Technology GmbH

About this organisation

Machine translation

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

FKT - a service provider for multi-component mould construction up to a size of 20 tonnes and continuous sample options, graduated up to 1,100 kilonewtons. With 120 employees, specialised in all common and the latest multi-component processes. Back injection moulding of films, fabrics, organic sheets, metals and combinations with PUR reaction moulding materials. Stack moulds, insert moulds, 2K and 3K IMA assembly injection moulding processes.

The company's expertise in lightweight construction includes the production of Mucell moulds and parts on its own systems up to 1,100 kN. Organosheet tools in versions on vertical and horizontal injection moulding machines. TSG foaming processes, monosandwich foaming processes, insert/outsert techniques as well as metal replacement and high-temperature materials.

Jahnstraße 2
07819 Triptis
Thuringia
Germany
www.fkt-triptis.de



Organisation type

Small or medium-sized enterprise

Sectors



Employees

50 up to 249

Turnover

€10m - €50m

Funding



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About this organisation

Main areas covered	Organosheet moulds, Metal replacement process, Mucell; TSG monosandwich foams, Insert/ Outsert connection technology, Internal gas pressure tools
Infrastructure	Mucell plant technology, 2K injection moulding machines, Simulation Software, Back injection moulding, Test laboratory
Certifications	ISO 9001, DB HPQ, ISO 140001
Keywords	Organosheet, 2K multi-component, Metal replacement, Foaming, Back injection moulding
Memberships	

Overview of lightweighting expertise

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	Research	Development	Manufacturing & Supply
Offer			
Products Parts and components, Machines and plants, Systems and end products, Tools and moulds		✓	✓
Services & consulting Consulting, Testing and trials, Engineering, Prototyping, Simulation, Maintenance and repair		✓	✓

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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		✓	
<i>Functional integration</i>			
<i>Measuring and testing technology</i>			
<i>Modelling and simulation</i>			
<i>Plant construction & automation</i>			
<i>Recycling technologies</i>			

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Overview of lightweighting expertise

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	Research	Development	Manufacturing & Supply
Manufacturing process			
Additive manufacturing 3D printing, Deposition welding, Selective laser melting (SLM, LPBF, ...), Selective laser sintering (SLS), Stereolithography		✓	✓
<i>Coating (surface engineering)</i>			
Fibre composite technology Fibre spraying, Pre-preg processing, Vacuum infusion		✓	✓
Forming Compression moulding, Thermal converting		✓	✓
<i>Joining</i>			
<i>Material property alteration</i>			
Primary forming Injection moulding	✓	✓	✓
Processing and separating Drilling, Turning, Milling, Electrical discharge machining, Sawing, Grinding, Cutting			✓
<i>Textile technology</i>			

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Overview of lightweighting expertise

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	Research	Development	Manufacturing & Supply
Material			
Biogenic materials Bioplastics, Biocomposites		✓	✓
Cellular materials (foam materials) Closed-pore		✓	✓
<i>Composites</i>			
Fibres Glass fibres, Carbon 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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