

Dienes Apparatebau GmbH

Special machine builder for synthetic fibre spinning machines

About this organisation

Machine translation

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

DIENES Apparatebau GmbH develops and supplies machines, components, pilot and laboratory machines for the production and treatment of fibres, yarns, films and tapes. The company offers complete, modular laboratory and pilot plants for filament production based on either the melt or wet spinning process. These systems are controlled by the highly flexible MultiMode® control system.

Laboratory and prototype systems for the production of technical textiles. Expertise in the melt spinning process as well as in the solvent spinning process. Mono and multifilament systems in mono and bi-component design. The prototype systems controlled by the multimode system allow the developer to document what is happening in the spinning process to the second and offer the possibility to redesign the process very flexibly. Dienes offers solutions for a wide range of high-performance polymers. As an introduction to the development of carbon fibres, Dienes produces prototype systems for the manufacture of PAN-based fibres. The product portfolio includes systems for the production of precursors, for oxidation and carbonisation and for activation.

Philipp-Reis-Str. 16
63165 Mühlheim / Main
Hesse
Germany
www.dienes.net

DIENES

Organisation type

Small or medium-sized enterprise

Sector



Employees

10 up to 49

Turnover

€2m - €10m

Funding

n/a



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Main areas covered	Synthetic fibre spinning plants
Infrastructure	Melt and solvent spinning systems
Certifications	ISO 9001
Keywords	Intelligent controls for systems
Memberships	

Overview of lightweighting expertise

Machine translation

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	Research	Development	Manufacturing & Supply
Offer			
Products Parts and components, Machines and plants, Software & databases		✓	✓
Services & consulting Consulting, Testing and trials, Engineering, Prototyping, Technology transfer, Maintenance and repair		✓	✓

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	Research	Development	Manufacturing & Supply
Field of technology			
Design & layout Others: null		✓	✓
<i>Functional integration</i>			
<i>Measuring and testing technology</i>			
<i>Modelling and simulation</i>			
Plant construction & factory automation Plant construction, Automation technology		✓	✓
<i>Recycling technologies</i>			
Manufacturing process			
<i>Additive manufacturing</i>			
Coating (surface engineering) Others: null		✓	✓
<i>Fibre composite technology</i>			
<i>Forming</i>			
<i>Joining</i>			
<i>Material property alteration</i>			
<i>Primary forming</i>			
<i>Processing and separating</i>			
Textile technology Fibre manufacturing, Yarn & roving production, Textile surface treatment and finishing		✓	✓

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	Research	Development	Manufacturing & Supply
Material			
<i>Biogenic materials</i>			
<i>Cellular materials (foam materials)</i>			
<i>Composites</i>			
Fibres		✓	✓
Aramid fibres, Ceramic fibres, Carbon fibres			
<i>Functional materials</i>			
<i>Metals</i>			
<i>Plastics</i>			
<i>Structural ceramics</i>			
(Technical) textiles		✓	✓
Yarns, rovings			

Contacts

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Mr Dipl.-Wirtsch.-Ing. MB Steffen Müller-
Probandt

Managing Partner

mueller-probandt@dienes.net