

Dienes Apparatebau GmbH

Special machine builder for synthetic fibre spinning machines

About this organisation

Machine translation

This organisation 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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About this organisation

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

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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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Overview of lightweighting expertise

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	Research	Development	Manufacturing & Supply
Field of technology			
Design & layout Others (Systems for the production of fibres)		✓	✓
<i>Functional integration</i>			
<i>Measuring and testing technology</i>			
<i>Modelling and simulation</i>			
Plant construction & automation Plant construction, Automation technology		✓	✓
<i>Recycling technologies</i>			
Manufacturing process			
<i>Additive manufacturing</i>			
Coating (surface engineering) Others (Thread and filament coating Melt coating)		✓	✓
<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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