

# 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](http://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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<b>Main areas covered</b>	Synthetic fibre spinning plants
<b>Infrastructure</b>	Melt and solvent spinning systems
<b>Certifications</b>	ISO 9001
<b>Keywords</b>	Intelligent controls for systems
<b>Memberships</b>	

## Overview of lightweighting expertise

### Machine translation

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

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	Research	Development	Manufacturing & Supply
<b>Field of technology</b>			
<b>Design &amp; layout</b> Others: null		✓	✓
<i>Functional integration</i>			
<i>Measuring and testing technology</i>			
<i>Modelling and simulation</i>			
<b>Plant construction &amp; factory automation</b> Plant construction, Automation technology		✓	✓
<i>Recycling technologies</i>			
<b>Manufacturing process</b>			
<i>Additive manufacturing</i>			
<b>Coating (surface engineering)</b> 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>			
<b>Textile technology</b> Fibre manufacturing, Yarn & roving production, Textile surface treatment and finishing		✓	✓

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**Overview of lightweighting expertise**

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

**Contacts**

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### Contacts

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

*Managing Partner*

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