

# SURAGUS GmbH

## Carbon fibre testing

### About this organisation

#### Machine translation

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

Suragus offers innovative solutions for non-contact inline and offline testing of carbon fibre materials. carbon fibre materials. These characterise fibre structures without contact and support the increase in product quality through direct process control, reduction of rejects as well as incoming and outgoing goods inspections. Our innovative strength has so far been recognised with the JEC Innovation Award NDT 2013 and 2016.

SURAGUS' innovative technologies visualise the fibre structure of hidden layers without contact, detect effects and defects and characterise material parameters of textiles, semi-finished products and composites made of carbon. The EddyCus systems help to increase product quality through direct process control, reduction of rejects and incoming and outgoing goods inspections. The innovative non-destructive testing technology uses the electrical conductivity of carbon fibres to analyse the internal structure of the material. In particular, it can be used to analyse the fibre orientation and fibre distribution or faults and defects such as folds, lanes, deformations or overlaps in carbon fibre textiles, preforms and their composites. The latest product innovation is a yarn tester for measuring fibre tears, fluff and splices in carbon rovings.

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[www.suragus.com](http://www.suragus.com)



#### Organisation type

Small or medium-sized enterprise

#### Sectors



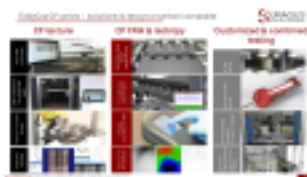
#### Employees

10 up to 49

#### Turnover

€2m - €10m

#### Funding



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## Carbon fibre testing

### About this organisation

|                           |  |
|---------------------------|--|
| <b>Main areas covered</b> | Lane monitoring Clutches, Fibre orientation Preform, Isotropic Recycled Carbon Fibre |
| <b>Infrastructure</b>     | Inline testing technology, Laboratory testing technology, Handheld devices           |
| <b>Certifications</b>     | ISO 9001   |
| <b>Keywords</b>           | Testing technology, Fibre orientation, Alley   |
| <b>Memberships</b>        |  |

### Overview of lightweighting expertise

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|   | Research | Development | Manufacturing & Supply |
|---|----------|-------------|------------------------|
| <b>Offer</b>  |          |             |                        |
| <b>Products</b>   |          |             |                        |
| Machines and plants, Others (Quality assurance, process control)          | ✓        | ✓           | ✓                      |
| <i>Services &amp; consulting</i>  |          |             |                        |
| <b>Field of technology</b>  |          |             |                        |
| <i>Design &amp; layout</i>  |          |             |                        |
| <i>Functional integration</i>   |          |             |                        |
| <b>Measuring and testing technology</b>                                   |          |             |                        |
| Component and part analysis, Materials analysis, Non-destructive analysis | ✓        | ✓           | ✓                      |
| <i>Modelling and simulation</i>   |          |             |                        |
| <i>Plant construction &amp; automation</i>                                |          |             |                        |
| <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*

#### Material

*Biogenic materials*

*Cellular materials (foam materials)*

*Composites*

*Fibres*

*Functional materials*

*Metals*

*Plastics*

*Structural ceramics*

*(Technical) textiles*

**Contacts**

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*Head of Product Management*

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