

# Strucnamics Engineering GmbH

## About this organisation

### Machine translation

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

Strucnamics deals with the optimisation of curing cycles for composite components. The aim here is to reduce the cycle time by up to 25% by increasing the heating/cooling rates at the moulds. The "CuringDesk" software developed enables the automated evaluation of the curing processes according to the process tolerances and thus provides a new type of quality assurance tool.

Thanks to a team of specialists, it is possible to ensure a combination of the required competences from composite technology (aviation, wind power, automotive) and software development. Years of experience of our composite specialists in the composite industry enable practical solutions paired with the dynamism of a young company. Our range of services includes - Process analysis of composite curing and technological consulting - Thermal and fluidic measurement of composite heat treatment systems (e.g. ovens, autoclaves) - Concept development, planning and implementation of system expansions to composite heat treatment systems - Customisation and provision of the CuringDesk software for composite heat treatment processes In addition, we work with our customers to develop customised hardware and software solutions in other areas of composite production, e.g. forming, laminate stacking, etc.

Schönbrunnstrasse 1  
01097 Dresden  
Saxony  
Germany  
[strucnamics.de](http://strucnamics.de)



### Organisation type

Small or medium-sized enterprise

### Sectors



Others: Windkraft

### Employees

Up to 9

### Turnover

Up to €2m

### Funding

n/a

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## About this organisation

**Main areas covered** Quality assurance software, Monitoring curing processes, Optimisation of curing processes, Measurement Curing processes, Process development

**Infrastructure** Equipment for flow measurement, Evaluation software Hardening process, Logger temperature, pressure, vacuum, MSR technology for temperature & pressure

### Certifications

**Keywords** Composite, Autoclave & oven, Process optimisation, Curing, Heat treatment

### Memberships

## Overview of lightweighting expertise

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	Research	Development	Manufacturing & Supply
<b>Offer</b>			
<b>Products</b> Software & databases, Systems and end products	✓	✓	✓
<b>Services &amp; consulting</b> Consulting, Testing and trials, Engineering, Validation, Maintenance and repair	✓	✓	✓

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## Overview of lightweighting expertise

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	Research	Development	Manufacturing & Supply
<b>Field of technology</b>			
<i>Design &amp; layout</i>			
<i>Functional integration</i>			
<b>Measuring and testing technology</b> Others (Hardening process analysis)			✓
<b>Modelling and simulation</b> Optimisation, Processes		✓	
<b>Plant construction &amp; automation</b> Plant construction	✓	✓	
<i>Recycling technologies</i>			
<b>Manufacturing process</b>			
<i>Additive manufacturing</i>			
<i>Coating (surface engineering)</i>			
<b>Fibre composite technology</b> Resin infusion process, Resin transfer moulding, Pre-preg processing, Vacuum infusion	✓	✓	
<i>Forming</i>			
<i>Joining</i>			
<i>Material property alteration</i>			
<i>Primary forming</i>			
<i>Processing and separating</i>			
<i>Textile technology</i>			

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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>			
<b>Composites</b> Glass-fiber reinforced plastics (GFRP), Carbon-fiber reinforced plastics (CFRP), Natural fibre reinforced plastics (NFRP), Laminates	✓	✓	
<i>Fibres</i>			
<i>Functional materials</i>			
<i>Metals</i>			
<i>Plastics</i>			
<i>Structural ceramics</i>			
<i>(Technical) textiles</i>			

## Contacts

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## Contacts

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