

## About this organisation

### Machine translation

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

Partner for the aerospace industry for the fulfilment of development tasks, in particular design, structural calculation, production, clean room assembly and testing of mechanisms as well as for structural design and construction in rail vehicle construction.

CFRP laminate design and sample production Thin-walled laminate structures for extension mechanisms and surface structures Physically and geometrically non-linear structural calculations Proof of fatigue strength according to FKM guideline Environmental tests (vibration, temperature loads)

Am Glaswerk 6  
01640 Coswig  
Saxony  
Germany  
[www.htsdd.de](http://www.htsdd.de)



### Organisation type

Small or medium-sized enterprise

### Sectors



### Employees

10 up to 49

### Turnover

€2m - €10m

### Funding

n/a

<b>Main areas covered</b>	Gearboxes, mechanisms, Tram body shell and interior fittings, Angle sensors, Locking and release mechanisms, Expandable structures
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<b>Infrastructure</b>	Simulation with CAE, Design with CAD, Procurement of production/standard parts, Installation in ISO6 clean room
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<b>Certifications</b>	EN ISO 9001:2008, ECSS-Q-ST-70-08/26/30
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<b>Keywords</b>	Hold Down and Release, Deployable Structures, Carbon fibre CFRP, Strength calculation test, Structural analysis
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<b>Memberships</b>	
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## Overview of lightweighting expertise

### Machine translation

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	Research	Development	Manufacturing & Supply
<b>Offer</b>			
<b>Products</b> Parts and components, Materials		✓	✓
<b>Services &amp; consulting</b> Training, Testing and trials, Engineering, Validation, Simulation		✓	✓
<b>Field of technology</b>			
<b>Design &amp; layout</b> Lightweight design, Hybrid structures, Lightweight construction concepts, Lightweight material construction		✓	✓
<b>Functional integration</b> Sensor technology, Thermal activation		✓	✓
<b>Measuring and testing technology</b> System analysis, Environmental simulation, Non-destructive analysis		✓	
<b>Modelling and simulation</b> Loads & stress, Multiphysics simulation, Optimisation, Structural mechanics		✓	✓
<b>Plant construction &amp; factory automation</b> Handling technology, Robotics		✓	✓
<i>Recycling technologies</i>			

## Overview of lightweighting expertise

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	Research	Development	Manufacturing & Supply
<b>Manufacturing process</b>			
<i>Additive manufacturing</i>			
<i>Coating (surface engineering)</i>			
<b>Fibre composite technology</b> Manual lamination, Pre-preg processing, Vacuum infusion	✓	✓	
<i>Forming</i>			
<b>Joining</b> Adhesive bonding, Soldering, Riveting, Screwing		✓	✓
<b>Material property alteration</b> Heat treatment		✓	
<i>Primary forming</i>			
<i>Processing and separating</i>			
<i>Textile technology</i>			

## Overview of lightweighting expertise

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Research   Development   **Manufacturing  
& Supply**

#### Material

*Biogenic materials*

*Cellular materials (foam materials)*

*Composites*

*Fibres*

*Functional materials*

*Metals*

*Plastics*

*Structural ceramics*

*(Technical) textiles*

## Contacts

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

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