

# CENTROTHERM Systemtechnik GmbH

## About this organisation

### Machine translation

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

Centrotherm Systemtechnik GmbH was founded in 1994 and is headquartered in Brilon, Germany. We are represented by our own subsidiaries in all core EU countries as well as in the USA and China. Together we develop and manufacture innovative plastic exhaust and ventilation systems as well as high-quality lightweight components for the automotive industry.

Innovative processes are the first step towards series production of high-performance lightweight components. The right materials are the second. At Centrotherm, the perfect choice of materials is the result of close co-operation with customers and manufacturers. In recent years, organic sheets have established themselves on the market. High strength, low weight and processing by means of thermoforming or hybrid injection moulding predestine the material for the production of lightweight components in a wide range of applications. The material combination of continuous fibres and thermoplastic matrix can be optimally adapted to the respective application. Centrotherm uses various thermoplastic standard and construction materials such as PP, PE, PA, TPU, TPV or PC - reinforced with semi-finished aramid, carbon and glass fibre products or natural fibres such as hemp, kenaf and bamboo.

Am Patbergschen Dorn 9  
59929 Brilon  
North Rhine-Westphalia  
Germany  
[www.centrotherm.com/](http://www.centrotherm.com/)



### Organisation type

Large enterprises

### Sectors



### Employees

50 up to 249

### Turnover

€10m - €50m

### Funding

n/a

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## About this organisation

**Main areas covered** Structural components, Interior, Design

### Infrastructure

**Certifications** ISO 9001, ISI 14001, ISO 50001, IATF 16949

**Keywords** Thermoforming, Hybrid moulding, Injection moulding, Organosheets, Natural fibres

### Memberships

## Overview of lightweighting expertise

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	Research	Development	Manufacturing & Supply
<b>Offer</b>			
<b>Products</b> Parts and components, Semi-finished parts, Systems and end products	✓	✓	✓
<b>Services &amp; consulting</b> Engineering, Prototyping		✓	✓

## Overview of lightweighting expertise

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	Research	Development	Manufacturing & Supply
<b>Field of technology</b>			
<b>Design &amp; layout</b> Lightweight manufacturing, Lightweight design, Hybrid structures, Lightweight construction concepts, Lightweight material construction	✓	✓	✓
<i>Functional integration</i>			
<i>Measuring and testing technology</i>			
<i>Modelling and simulation</i>			
<i>Plant construction &amp; automation</i>			
<i>Recycling technologies</i>			
<b>Manufacturing process</b>			
<i>Additive manufacturing</i>			
<b>Coating (surface engineering)</b> Powder coating			✓
<b>Fibre composite technology</b> Pre-preg processing	✓	✓	✓
<b>Forming</b> Impact extrusion, Compression moulding, Thermal converting, Deep-drawing	✓	✓	✓
<i>Joining</i>			
<i>Material property alteration</i>			
<b>Primary forming</b> Extrusion, Injection moulding		✓	✓
<i>Processing and separating</i>			
<i>Textile technology</i>			

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	Research	Development	Manufacturing & Supply
<b>Material</b>			
<b>Biogenic materials</b> Bioplastics, Biocomposites	✓	✓	✓
<i>Cellular materials (foam materials)</i>			
<b>Composites</b> Glass-fiber reinforced plastics (GFRP), Carbon-fiber reinforced plastics (CFRP), Natural fibre reinforced plastics (NFRP)	✓	✓	✓
<b>Fibres</b> Glass fibres, Carbon fibres, Natural fibres	✓	✓	✓
<i>Functional materials</i>			
<b>Metals</b> Aluminium, Steel		✓	✓
<b>Plastics</b> Thermoplastics		✓	✓
<i>Structural ceramics</i>			
<b>(Technical) textiles</b> Meshes, Laid webs, Woven fabrics, Nonwovens, mats		✓	✓

## Contacts

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## Contacts

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