

# MUBEA CARBO TECH GmbH

Division Body

## About this organisation

### Machine translation

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

The focus is on complete consistency from project planning to design, strength design, model and mould construction, production and final inspection. The customer therefore has a single point of contact for a cost-efficient overall solution. Regardless of whether it is the production of a single prototype or an entire series. Carbo Tech is not established as a "Tier 1" supplier for nothing.

Industrial applications, on the other hand, require durable components that can withstand millions of load cycles, while price plays a key role in series production. To fulfil these criteria, Carbo Tech uses state-of-the-art software solutions in the design process. Supplemented by many years of experience in motor racing, industrial and series applications, this significantly reduces the development time for composite parts. The integration of innovative sub-processes from all departments of the company leads to the shortest possible throughput times and optimisation of individual parameters in all prototype and series production projects. Standardised component development guarantees optimum results, so that the complex requirements in terms of strength, design, manufacturing costs, producibility and much more are perfectly met.

Eugen-Müller Straße 16  
5020 Salzburg  
Austria  
Austria  
[www.carbotech.at/](http://www.carbotech.at/)



### Organisation type

Large enterprises

### Sectors



### Employees

500 and more

### Turnover

More than €50m

### Funding

n/a

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## About this organisation

**Main areas covered** Carboject, Prepreg, RTM, Wet presses, Hybrid

**Infrastructure** Extensive laboratory equipment, Various measuring machines, Wheel and rim test stand

**Certifications** ISO TS 16949, IATF 16949

**Keywords** Lightweight construction, Carbon, Automotive, Racing, Seating

**Memberships**

## Overview of lightweighting expertise

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	Research	Development	Manufacturing & Supply
<b>Offer</b>			
<b>Products</b> Parts and components, Tools and moulds	✓	✓	✓
<b>Services &amp; consulting</b> Testing and trials, Engineering, Prototyping, Validation, Simulation, Maintenance and repair	✓	✓	✓

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### 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	✓	✓	✓
<i>Functional integration</i>			
<b>Measuring and testing technology</b> Component and part analysis, Visual analysis (e.g. microscopy, metallography), Materials analysis, Destructive analysis, Non-destructive analysis	✓	✓	
<b>Modelling and simulation</b> Crash behaviour, Loads & stress, Life-cycle analysis, Optimisation, Processes, Structural mechanics, Materials	✓	✓	
<b>Plant construction &amp; automation</b> Plant construction, Automation technology, Handling technology	✓	✓	✓
<b>Recycling technologies</b> Recycling	✓	✓	

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	Research	Development	Manufacturing & Supply
<b>Manufacturing process</b>			
<i>Additive manufacturing</i>			
<b>Coating (surface engineering)</b> Painting, Plasma process	✓	✓	✓
<b>Fibre composite technology</b> Manual lamination, Resin infusion process, Resin transfer moulding, Pre-preg processing, Vacuum infusion, Others (Carboject)	✓	✓	✓
<i>Forming</i>			
<b>Joining</b> Adhesive bonding, Sewing, Riveting, Screwing, Welding		✓	✓
<b>Material property alteration</b> Heat treatment	✓	✓	✓
<b>Primary forming</b> Pultrusion, Injection moulding	✓	✓	✓
<b>Processing and separating</b> Drilling, Turning, Milling, Sawing, Shearing/ punching, Grinding, Cutting	✓	✓	✓
<i>Textile technology</i>			

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	Research	Development	Manufacturing & Supply
<b>Material</b>			
<i>Biogenic materials</i>			
<b>Cellular materials (foam materials)</b> Closed-pore, Open-pore, Syntactic foams	✓	✓	
<b>Composites</b> Aramid fibre composites, Basalt fibre-reinforced plastic, Glass-fiber reinforced plastics (GFRP), Carbon-fiber reinforced plastics (CFRP)	✓	✓	✓
<b>Fibres</b> Aramid fibres, Basalt fibres, Glass fibres, Carbon fibres	✓	✓	✓
<i>Functional materials</i>			
<i>Metals</i>			
<b>Plastics</b> Thermoset plastics, Elastomers, Thermoplastics	✓	✓	✓
<i>Structural ceramics</i>			
<b>(Technical) textiles</b> Yarns, rovings, Meshes, Laid webs, Crocheted fabrics, Woven fabrics, Knitted fabrics, Nonwovens, mats	✓	✓	

## Contacts

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## Contacts

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