

# CASE STUDY



The better solution.

## 0 to 100 km/h in 2.9 seconds – thanks to carbon

Carbon is a composite material and differs significantly from quasi-isotropic materials like steel or aluminium. As with glass fibre-reinforced plastics, the material properties depend on the direction. With a density of approx.  $1.6 \text{ g/cm}^3$ , the material is very light, while maintaining good rigidity and vibration behaviour.

If you want to increase the rigidity of a GRP component, it is often sufficient to use a blend of glass and carbon fibres.

The roof of a highly exclusive sports car was machined with precision at TC in Meppen.



GRP-based design solutions for  
motorsports



### **Designing fibre composite components**

As an engineering firm producing fibre composite components, we can help you create the right design for the components that your project requires. We collaborate with you to come up with a design for a suitable solution. As a supplier of systems, we are able to deliver your components to the desired standard of quality, in the correct quantity and on time.



### **Carbon? Yes, but low-cost!**

Carbon is a fascinating material. However, it's also very expensive. An ingenious mix of glass fibre and carbon fibre can often result in cost-effective solutions. Whether you need a profile or a 3D or free-form component, we have the right partners for your project.



### **The utmost precision**

We can machine even highly complex parts like the carbon roof of a sports car. We have created a special kind of milling device for drilling, milling and counterboring this three-dimensional carbon part in batches.

**Sounds interesting? Talk to us!**

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