

## Das Fraunhofer IGCV forscht in verschiedenen Bereichen zu CMC und CFK.

Fraunhofer IGCV stands for application-oriented research with a focus on engineering, production and multi-material solutions. The focus is on integrated innovations at the level of manufacturing processes and material sciences, machines and process chains, as well as factory and company networks. This enables multidisciplinary solutions from materials engineering and component design to production engineering and the supply chain.

With about 160 employees at locations in Augsburg and Munich, we support our partners as part of the Fraunhofer Group "Production" in the form of short-, medium- and long-term research projects. By transferring basic knowledge into customer-specific solutions and using state-of-the-art infrastructure, we accelerate the transfer of knowledge to ensure the sustainable competitiveness of our partners in the long term.

Ceramic composite materials are also used in various contexts to solve research tasks. A unique selling point in this area is the existing process technologies, which are used as pilot plants on an industrial scale for development. Fiber materials of any fiber length, from staple fibers to continuous filaments,

can be processed into high-performance semi-finished products and composites along modern process chains, including nonwovens technology, fiber patch placement (FPP), pultrusion, as well as automated tape laying (ATL) and automated fiber placement (AFP).