

Advanced Composite Engineering & Manufacturing

Besuchen Sie uns auf: www.ace-composite.com

The ACE GmbH, as a former division of EADS Dornier GmbH, has 30 years of continuously growing and profound expertise in the design, engineering and manufacturing of lightweight components for various applications:

Aviation and Aerospace | Automotive | Industry

Besides our specialty of creating advanced composite structures we also develop solutions using lightweight metals as well as the promising hybrid metal composites.

Expertise in Design and development

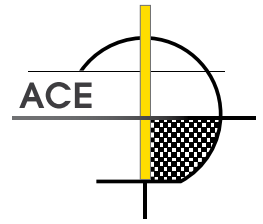
We have extensive know-how in the realization of innovative lightweight structures and manufacturing equipment, and we are the specialists you need when it comes to components and systems composed of fibre composite materials (carbon fibre, glass fibre, Aramid, etc.).

This know-how is available to you both as an individual service in the component design phase and as an integrated part of the overall component development process, alongside dimensioning and the selection of tool and production systems.

Our design expertise includes the following services in particular:

- » Project and data management
- » Production-ready component construction making appropriate use of fibre composites (CATIA V5)
- » Design and supply of tools and equipment
- » Documentation (including configuration management)

After the component development phase, we will continue to work as your partner, developing and supplying all necessary equipment for CFRP component production; we will also complete the run-in for this equipment and carry out the handover process at our production facilities or on-site at your premises.



Project example Automotive

Engine Bonnet



Project example RTM tool

Monocoque



Our areas of activity include the following:

- » Development and manufacture of tools and equipment
- » RTM tools and equipment
- » RTM and preform presses
- » Bonding and joining equipment
- » Component supports for the final contouring process
- » Gauges and test gauges
- » Commissioning and initiation of series production

We also offer the above services as individual services without directly receiving the contract for series production of CFRP components.

We offer the above services for studies and concept development projects, as well as in prototype and series manufacturing.

We work with the following CAD interfaces:

- » I-DEAS
- » STEP
- » ProE
- » IGES
- » UG
- » VDA

Data can be exchanged via ODETTE or FTP.

If required, we can provide longer-term on-site support and we are authorized to supply temporary workers for this purpose.

ACE GmbH is DIN ISO 9001 and EN 9100 certified.



Feel free to contact us via e-mail or telephone – we are looking forward to hearing from you.

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Member of:

