

AVANCO Composites GmbH

About this organisation

Machine translation

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

AVANCO Composites is a leading company in the development, production, processing and finishing of lightweight construction products made of fibre-reinforced plastics based on carbon, glass and other fibre materials. AVANCO Composites has more than 40 years of experience in the field of lightweight construction solutions made of aluminium and carbon fibre composites.

From the initial idea to series production, AVANCO Composites offers all steps of the development and production process from a single source. AVANCO Composites utilises various manufacturing processes and materials. Laser-assisted tape winding or tape laying is a process in which thermoplastic tapes are placed on a core and welded together over their entire surface in a single process step (in-situ consolidation). The wet winding process is characterised by the fact that semi-finished fibre products are wetted with a matrix and deposited on a winding core. The wetted components are cured in the oven. Thermoplastic profiles with a wide variety of geometries can be produced using the (continuous) hot pressing process. This results in complex profiles as well as plate-shaped components for various applications. The mechanical properties can be adapted to the requirements by adjusting the fibre orientation.

Planckstr. 15
32052 Herford
North Rhine-Westphalia
Germany
www.avanco-composites.de/



Organisation type

Large enterprises

Sectors

No specific sector

Employees

250 up to 499

Turnover

More than €50m

Funding

AVANCO Composites GmbH

About this organisation

Main areas covered Winding tubes, Sleeves, Bandages, Profiles

Infrastructure

Certifications

Keywords

Memberships Composites United e.V.

Overview of lightweighting expertise

Machine translation

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Manufacturing
Research Development & Supply

Offer

Products

Services & consulting

Consulting, Testing and trials, Engineering, Prototyping, Simulation, Technology transfer, Maintenance and repair



Field of technology

Design & layout

Lightweight manufacturing, Lightweight design, Hybrid structures



Functional integration

Measuring and testing technology

Modelling and simulation

Plant construction & automation

Recycling technologies

Overview of lightweighting expertise

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Manufacturing
Research Development & Supply

Manufacturing process

Additive manufacturing

Coating (surface engineering)

Fibre composite technology

Filament winding

✓ ✓ ✓

Forming

Joining

Adhesive bonding, Riveting, Screwing

✓

Material property alteration

Primary forming

Processing and separating

Textile technology

AVANCO Composites GmbH

Overview of lightweighting expertise

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Manufacturing
Research Development & Supply

Material

Biogenic materials

Cellular materials (foam materials)

Composites

Fibres

Functional materials

Metals

Plastics

Structural ceramics

(Technical) textiles

Contacts

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