HEXCEL

GLOBAL LEADER IN ADVANCED COMPOSITES TECHNOLOGY

COMPOSITES UNITED JOUR FIXE, 18.10.2021

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HEXCEL IS A GLOBAL LEADER IN ADVANCED COMPOSITES TECHNOLOGY.

Since 1948, our advanced composite solutions make a wide range of applications stronger, lighter and tougher.

We are a leading producer of carbon fiber, reinforcements and resin systems, and the world leader in honeycomb manufacturing for the commercial aerospace industry.

We are the strength within hundreds of products offered in multiple markets across the globe.

30%
SPACE & DEFENSE
Rotorcraft
Military Aircraft
Launch Vehicles
Satellites

15%
INDUSTRIAL
Wind Energy
Automotive
Recreation
Marine
Other

55%
COMMERCIAL AEROSPACE
Airbus and Boeing
Engines/Nacelles
Regional/Business

UNRIVALED PRODUCT RANGE

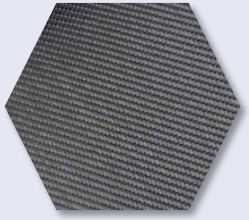
Everything from carbon fibers, reinforcement fabrics, and resins to prepregs, honeycomb core, tooling materials and more . . . from raw materials to fly-away parts . . . **vertical integration is a strength and a differentiator**

Carbon Fiber & Prepregs

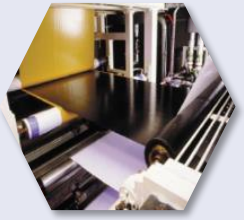
PAN
Polyacrylonitrile precursor

CARBON FIBER
Continuous and Chopped
A320neo sharklets | F-35 wings | LEAP fan blades/case

REINFORCEMENTS
Aerospace primary and secondary structures



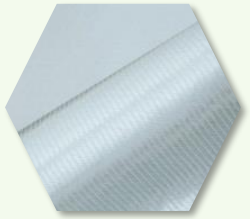
CARBON PREPREGS
A350 fuselage and wings
GE90 fan blade



ADDITIVE MANUFACTURING
Thermoplastic, carbon fiber reinforced 3D printed parts for Aerospace

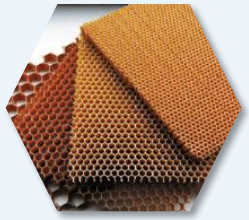
Glass Prepregs

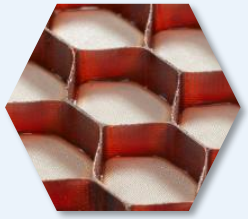
GLASS PREPREGS
Wind turbine blades
Aerospace secondary structures



Honeycomb

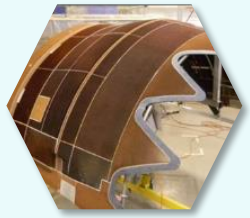
HONEYCOMB
Rotorcraft blades
Aircraft flooring
Nacelle structures
Acousti-Cap®





Engineered Products

ENGINEERED PRODUCTS
Structural assemblies
Machine/shaped core
Tooling system



Strong | stiff | lightweight | fatigue resistant | corrosion resistant

TAILORED FOR **FUTURE** APPLICATIONS

Examples of a changing world

- Megatrend Urban Air Mobility (UAM)
- Private “New Space” business
- Global pressure to reduce greenhouse gas emissions
  - ➔ new concepts in Transportation

Supporting the change

- Demand: High-rate composites production
  - Solution: Developing fast curing yet high-performing composites
- Demand: Special environmental conditions / mechanical requirements
  - Solution: Differentiation of product range – tailored materials
- Demand: cost-efficient Composites production in all batch sizes
  - Solution: Special processes and materials “fit for purpose”

Transportation - Example: Wind Assisted Ship Propulsion Source: www.wind-ship.org

Transportation - Example: Airbus Zero-Emission aircraft concept Source: www.airbus.com

ROCKETS & LAUNCHERS

UAM - Example: City Airbus Next Generation Source: www.airbus.com

Differentiation and development to meet the demands of future markets


HEXCEL®