



INNOVATIONS

2024

REINFORCING YOUR
IDEAS

REINFORCING THE AUTOMOTIVE INDUSTRY

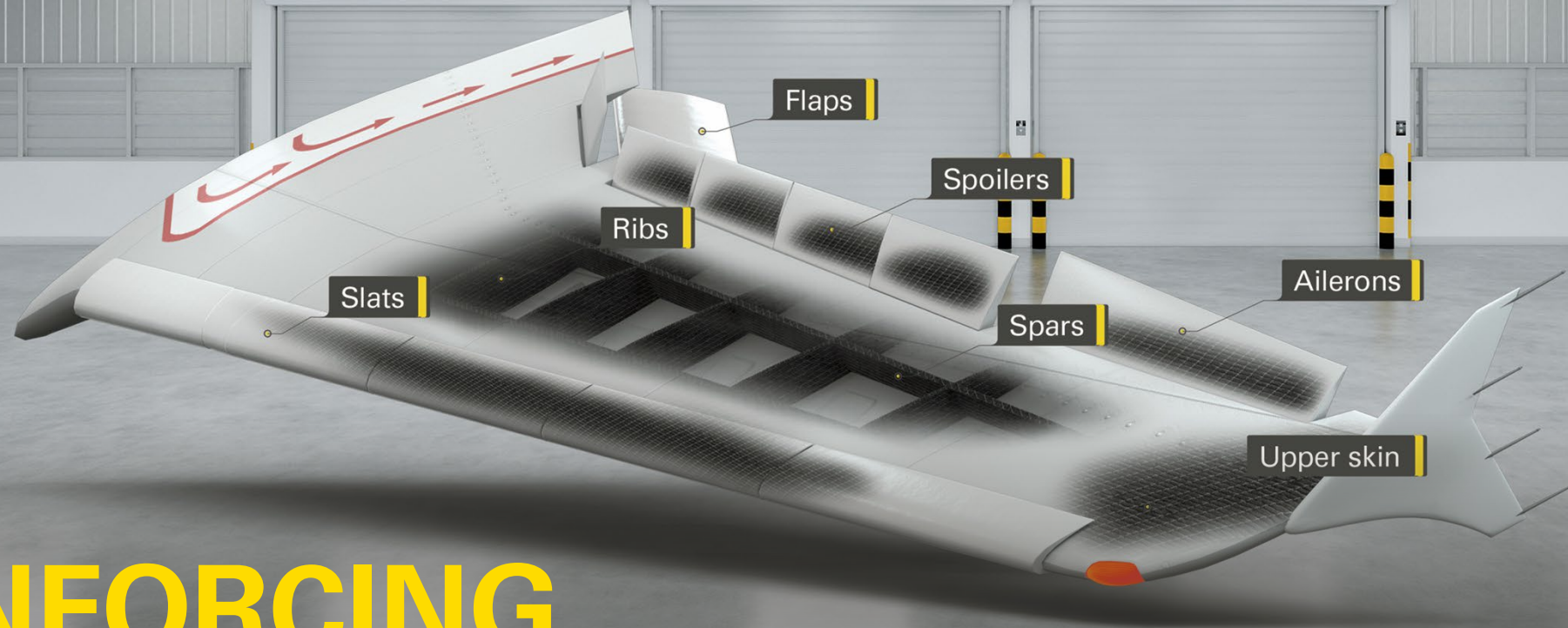


WHY SAERTEX?

THREE GOOD REASONS FOR WORKING WITH US:

- 1 Flexibility and agility in product development
- 2 High quality and know-how for industrial production
- 3 Production optimization through tailor-made solutions





REINFORCING THE AEROSPACE INDUSTRY

WHY SAERTEX?

THREE GOOD REASONS FOR WORKING WITH US:

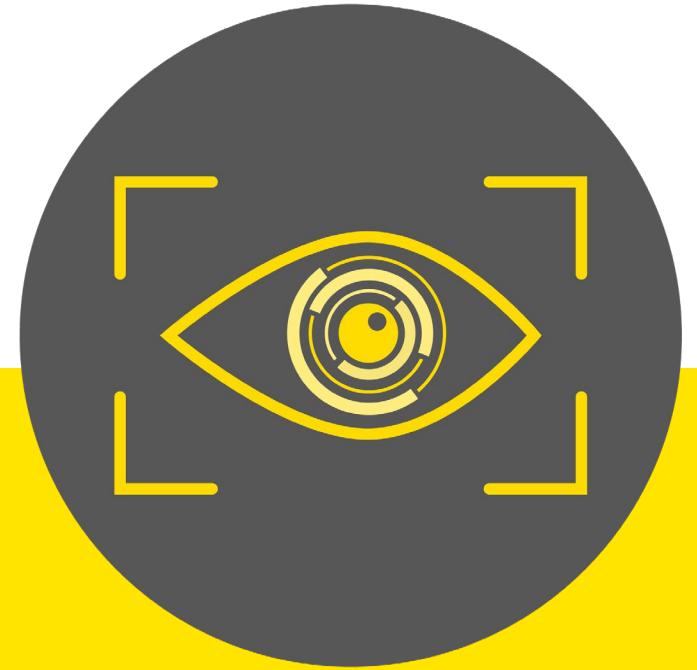
- 1 High-tech innovations with individualization and transparency
- 2 Quality high-volume production
- 3 Strong consulting expertise and global supply chain



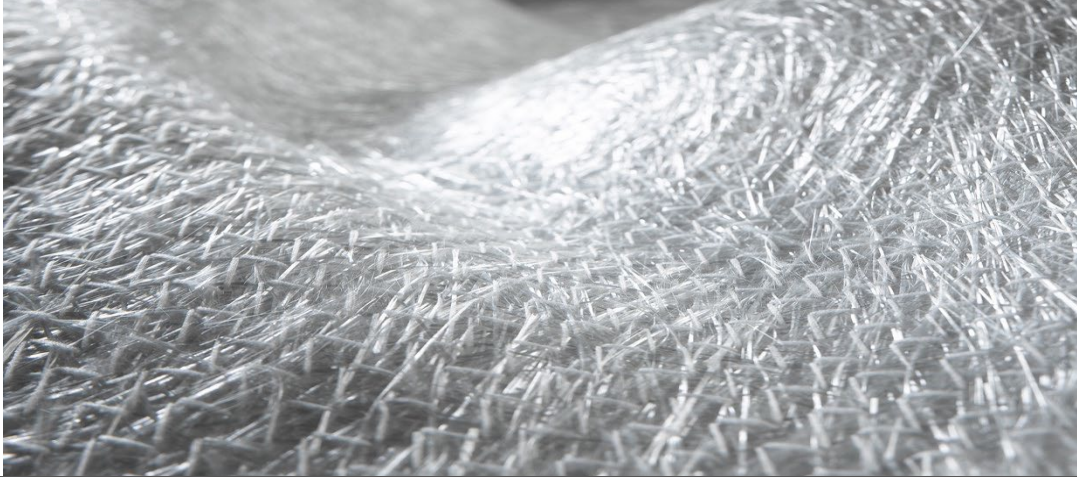
SMART DETECT CONTROL

SAERTEX® Smart Detect Control is our solution for improving your further processing of carbon-fiber materials.

- // Continuous and automated transparency
- // Digital processes in real-time
- // In-line safety for your production



SAERTEX INNOVATION OVERVIEW

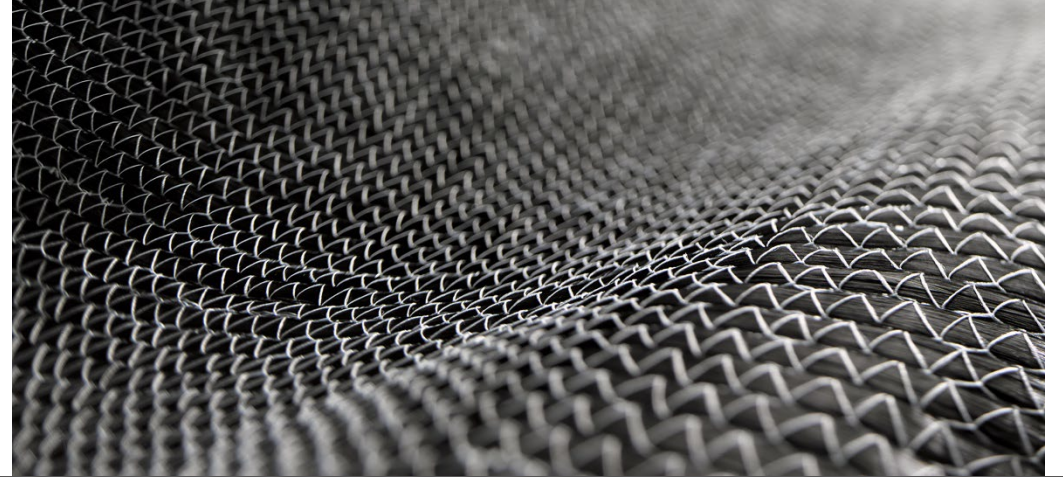


SAERcore®

CLOSED MOLD REINFORCEMENTS

The new SAERcore is an innovative material that upgrades our standards.

- // Core optimization: 100 % recycled material
- // Increased productivity: faster resin flow
- // Improved efficiency and handling: easier drapability



MAGIC FLOW UD

FOR THICK CARBON LAMINATES

The latest development in the field of Non-Crimp Fabrics (NCFs) is the Magic Flow UD from SAERTEX.

- // Optimized for impregnating up to 200 layers of carbon fiber NCF
- // Excellent mechanical characteristics
- // Design freedom thanks to good drapability

SAERTEX INNOVATION OVERVIEW



STEADY PLUS UD

EXCELLENT DRAPABILITY AND COST SAVING POTENTIAL

A new material in the field of carbon NCFs is the Steady Plus UD from SAERTEX. It is extremely homogeneous during processing and can potentially save resin consumption.

- // Excellent evenness and wrinkle-free behavior
- // Very high fiber volume content of up to 60 %
- // Excellent characteristics for up to 120 layers
- // No glass fiber stabilization



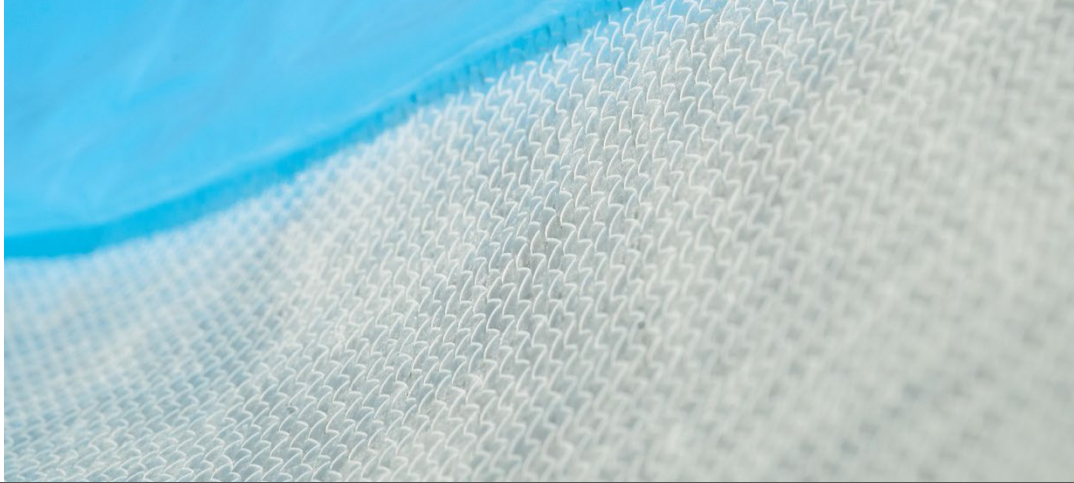
SAERfoam®

FOR WIND

The new SAERfoam 90 is a further development of the previous SAERfoam materials – especially for use in rotor blade construction.

- // Ideal for the transition area
- // Cost saving potential vs. PET and balsa
- // Low resin absorption
- // Improved drapability

SAERTEX INNOVATION OVERVIEW



SAERfix®

FOR SELF-ADHESIVE NCFs

SAERfix is an adhesive developed by SAERTEX – making the positioning of multiaxials easier. It is pre-applied to the fabric making it ready to drape into the mold.

- // Self-adhesive and ready-to-drape: Time savings of over 50 % compared to a spray can
- // Easier draping and 10-times longer hold
- // Sustainable for the environment and for your team



BIOBASED FLAX NCF

REDUCES THE CO₂ FOOTPRINT

A further step towards sustainable products – the SAERTEX biobased flax NCF:

- // Secured sourcing and supply
- // Good product drapability and perfect handling behavior in complex shapes
- // No-twist roving for perfect impregnation
- // Reduced CO₂ footprint

REINFORCING WIND ENERGY AND INDUSTRIAL APPLICATIONS

HOW TO OPTIMIZE THICK CARBON
LAMINATES

The solution: Magic Flow and Steady Plus UD's

- // Shorter cycle time
- // Higher handling stability
- // Better protection against dryspots

INNOVATIONS

MAGIC FLOW UD

FOR THICK CARBON LAMINATES

Flow-optimized carbon UD for wind energy and industrial applications

- // For thick laminates up to 140 mm
- // Infusion up to 3.5 times faster
- // Lowest cycle times



STEADY PLUS UD

FOR THICK CARBON LAMINATES

- // For thick laminates up to 80 mm and 1.6 times faster infusions
- // Higher handling stability and drapability
- // Less material needed through reduced resin consumption



REINFORCING YOUR FUTURE

OUR NEW SAERcore[®]

- 1 Core optimization:**
100 % recycled material
- 2 Increased productivity:**
faster resin flow
- 3 Improved efficiency and handling:**
easier drapability



SUSTAINIBILITY



ISO 14001 and EcoVadis certified



Established recycling process for production residues



Regional sourcing with SAERTEX



REINFORCING YOUR IDEAS WORLDWIDE



1. SAERTEX Germany Saerbeck | Headquarters
2. TK Industries Selbitz
3. SAERTEX France
4. SAERTEX Portugal

5. SAERTEX Turkey
6. SAERTEX Baltics
7. SAERTEX South Africa
8. SAERTEX India

9. SAERTEX Brazil
10. SAERTEX Mexico
11. SAERTEX USA

THANK YOU FOR YOUR ATTENTION.

