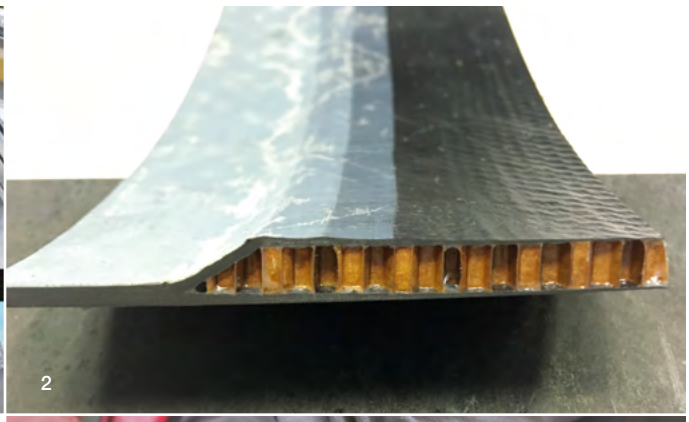
voith.com

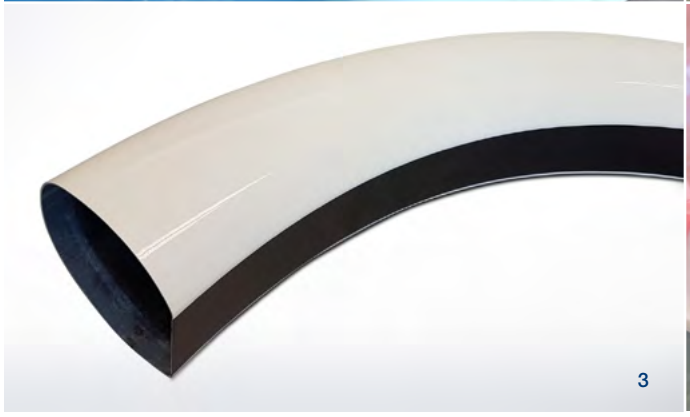
Aerospace
Voith Composites

Voith Composites designs and produces components for the aerospace industry – temperature-stable, high-load capable and incredibly lightweight.

We support our customers throughout the entire product development process, from the first idea, first prototype and small series to sophisticated, large-scale production. Our proprietary production processes are based on efficient and fully automated direct fiber placement technologies.

In close cooperation with our customers, we analyze components and develop lean production concepts on their behalf. This includes the dimensioning of components and the optimal choice of fibers, matrix and assembled parts as well as the optimal production process steps. Since engineering and production work is performed in close collaboration within Voith, components and parts can be developed and produced in short periods.





1 Rapid fiber placement for aerospace structure

2 Sandwich structure

3 Duct segment for Aerospace applications

4 Hand lay-up of prepreg

Voith Composites has developed various direct fiber placement technologies (dry and pre-impregnated) in order to avoid traditional and rather cost-intensive preforming processes. We also process thin-ply prepregs. Based on our preforming technologies, we achieve net-shape fiber layup and reduce scrap to a minimum or eliminate it completely.

Whether seat components, tanks, linings, overhead storages or ducts, with our broad expertise we will support you in development and production of your vision.

Key benefits

+ Engineering competence
+ Advanced process simulation methods
+ Fully automated processes
+ Cost efficiency, no semi-finished products needed, reduced scrap
+ Digital manufacturing infrastructure

Certified according:

- **ISO9001**
- **ISO14001**
- **EN9100 (pending)**

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VOITH
Inspiring Technology for Generations