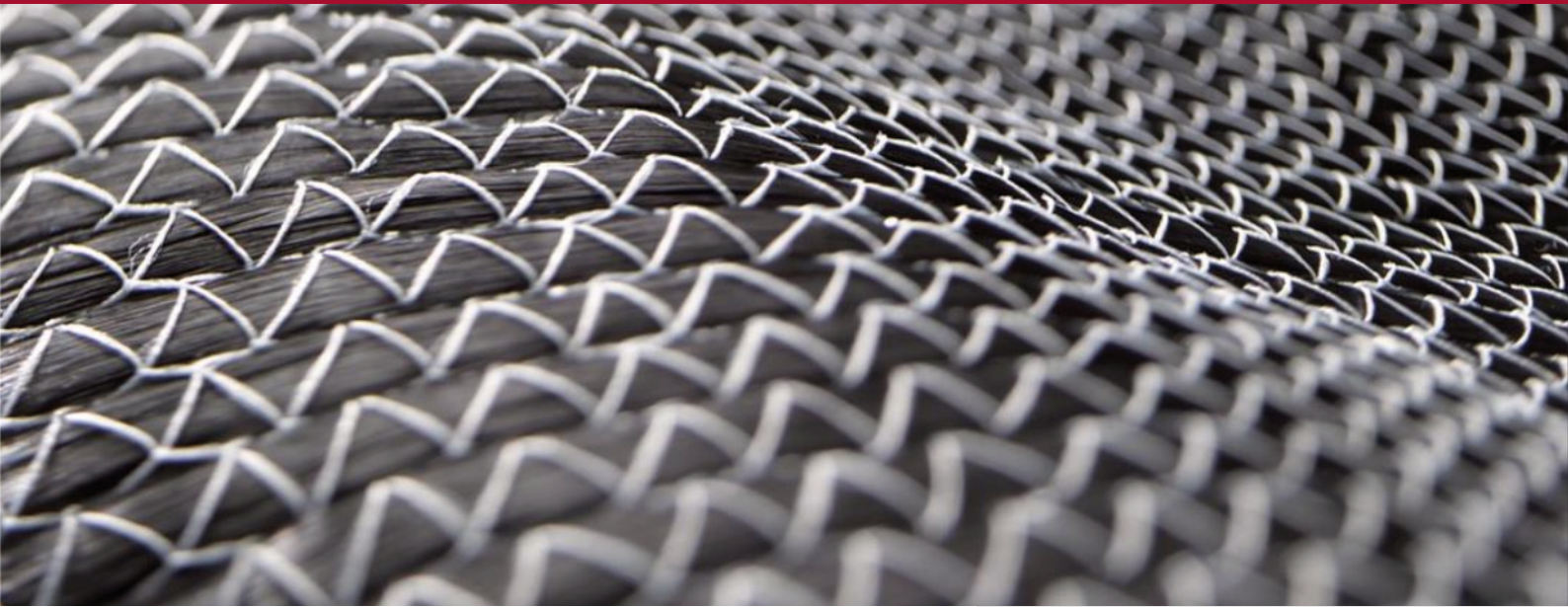


Data Sheet- EddyCus® CF inline GAP

P_C_GAP_10



Inline Detection of Hidden GAPs

The **EddyCus® CF inline GAP** system is an inline system designed for the non-contact and continuous testing of non-crimp fabrics. A unique feature of the system is the ability to measure subsurface defects in a multi-layer stack.

During the material production process, the testing system utilizes the electrical conductivity of the carbon fibers in order to **detect gaps**, measuring the width of such gaps right down to a resolution of just 0.5mm. Furthermore, the system is able to capture the fiber orientation per ply and loose tows can be detected. Tape width can also be measured using SURAGUS eddy current testing technology.

The **EddyCus® system** consists of either a moving set of sensors or of a fixed sensor array with the system being customized to the production width e.g. 50" or 100" (and can also be retrofitted to existing textile machines). Additionally, SURAGUS can provide a turn-key solution involving complete machine integration.

Using this non-contact measurement system enables smart production in compliance with aviation and automotive quality standards.

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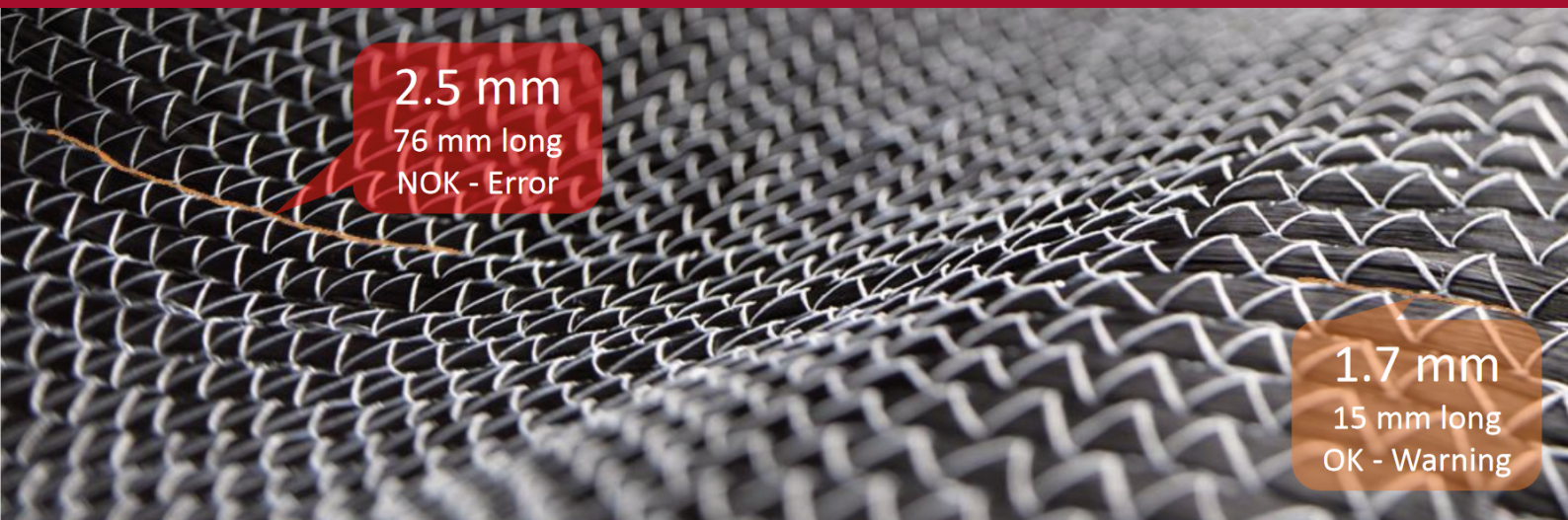
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www.suragus.com/FAQ
www.suragus.com/inlineGAP

Made and Engineered in Germany

Innovation Award by
Free State of Saxony 2013
1st Place





Application	Multiaxial Carbon Fiber NCF, UD-Tape (roll-2-roll)
Detection capability	Gap >1mm Max undetected gap length 5-100mm
Value proposition	Roll report, nesting of rolls
Production speed	50-120 m/h
Mode	Non-contact
Machine interface	I/O, TCP/IP, Modbus
Add-ons	Fiber orientation, Tape width, Overlaps
Position	Pre-and post stitching or spreading

User Interface

