We
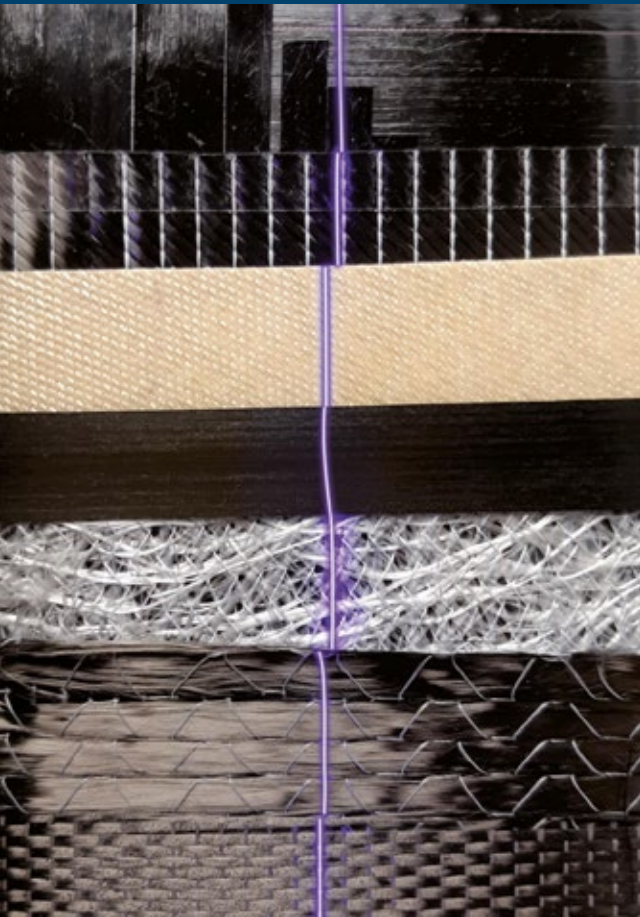# DEVELOP

PF-INSPECT

Inspection and measurement solution for your composite processes

Main advantages

- In-line inspection, or ply by ply
- Detection and location of defects with a size above 0.1 mm
- Non-contact detection
- Rapid and easy integration to the production tool
- Simple to use, easy to configure
- In-line inspection before, during and after composite material deposition, ply after ply
- Possible measurements on a wide variety of composites

Benefits

- In-line inspection of 100% of production
- Productivity gains 20% to 30% compared to standard methods for inspection
- Traceability and real time documentation tool
- Process performance analysis and production optimisation
- Quality control

Applications

- Measuring and locating the direction of the fibre
- Locating the position of each preform
- Inspection of surface quality

The sensors are built into the weaving, non-weaving, braiding and prepreg machines so as to inspect on the fly.

Depending on the configuration of the machine, both sides of the materiel can be inspected.

In-line detection of:

- Weaving defects
- Missing fibre
- Fold defects
- Missing elements, pulling
- Texture inclusions
- Deburring, delaminating defects

Industries:

- Automotive
- Wind energy
- Aerospace
- Marine

TESTIA
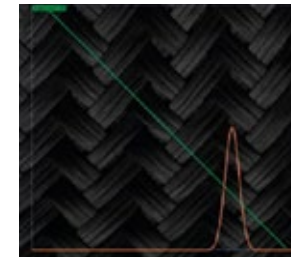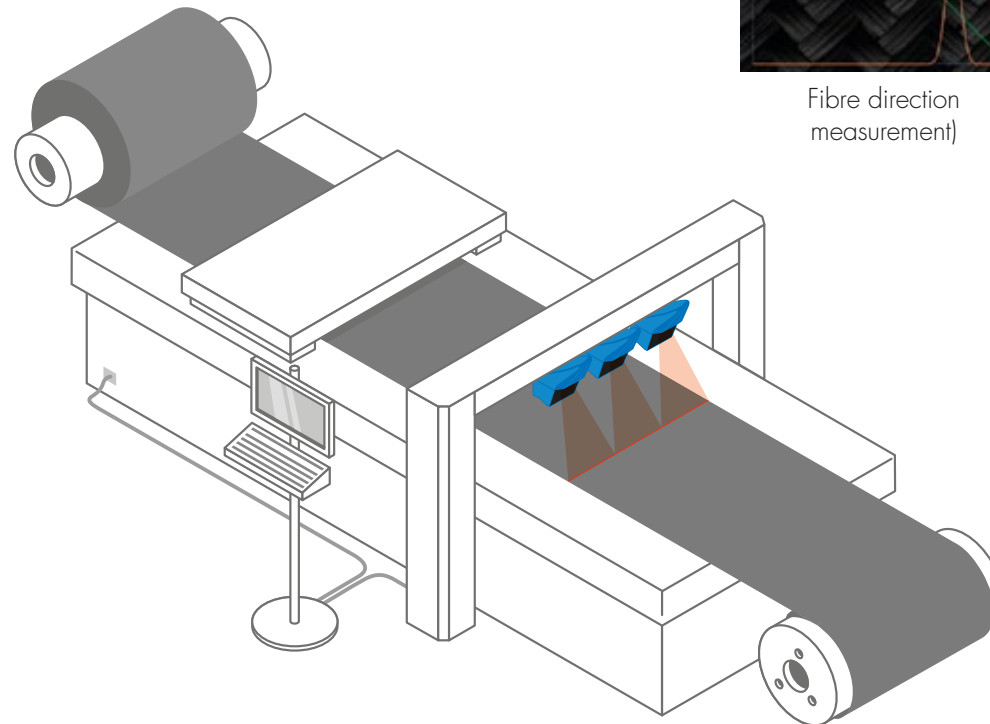AN **AIRBUS** COMPANY

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DEVELOP

PF-INSPECT

Inspection and measurement solution for your composite processes
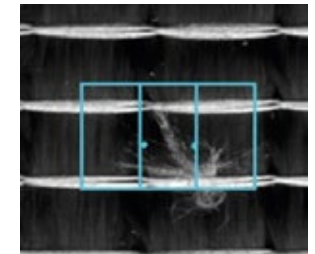
On-the-fly inspection of unprocessed material

Technical specifications

Fibre orientation: +/- 0,1°

Inspection speed: up to 2 metres/second

Fibre direction
measurement)

Foreign bodies
detection

Missing seam

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PF-INSPECT

Inspection and measurement solution for your composite processes

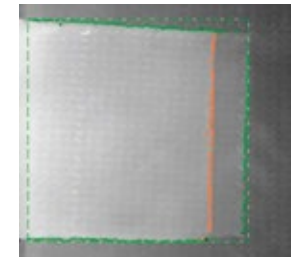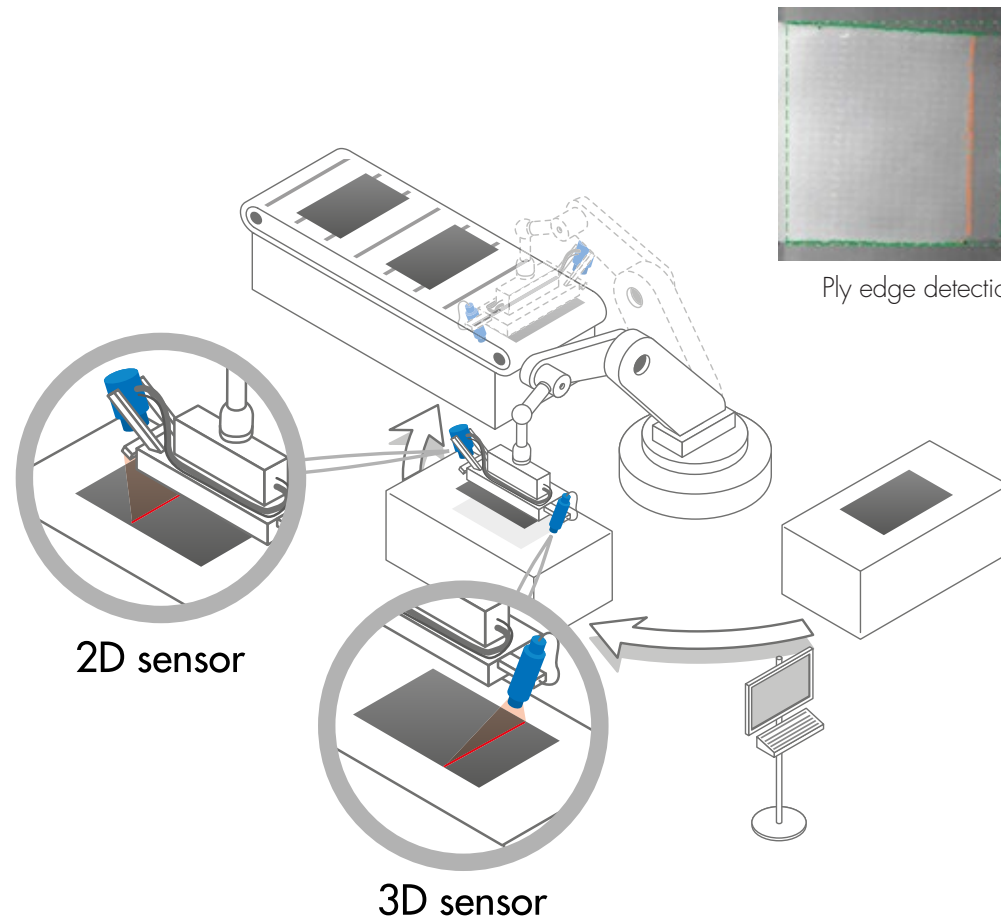## Inspection of the material for each placement of preforms

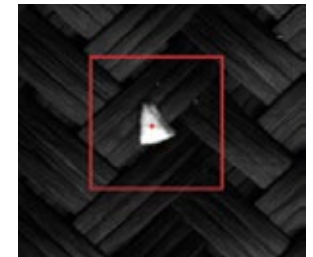### Technical specifications

Fibre orientation: +/- 0,1°

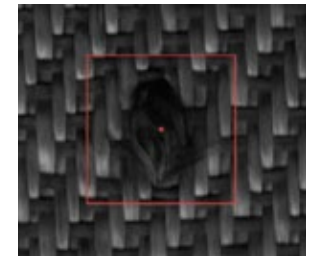Fold detection from 0.1 mm (thickness)

Location: 1/10 mm

Inspection speed: up to 2 metres/second

Ply edge detection

Foreign bodies detection

Fuzz detection

2D sensor

3D sensor

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