We

DEVELOP

TESTIA
AN AIRBUS COMPANY

D-LamTool

Ultra-fast and easy go/no-go composite panels delamination assessment by any member of your team

D-lamTool is a small, portable ultrasonic phased-array (32 sensors) go/no-go device for easy preliminary analysis of delamination on multilayered composite panels (CFRP/GFRP).

Benefits

Efficiency

- Reduce inspection time thanks to go/no-go results.
- Cover wider areas with the PAUT roller probe.

Flexibility

- Can be operated by NDT experts and non-NDT experts like B1 mechanics and B2 avionics.
- Reach any aircraft section with this ultra-light and compact device.

Reliability

- Achieve safety thanks to measure repeatability.
- Keep performance on different thickness areas.

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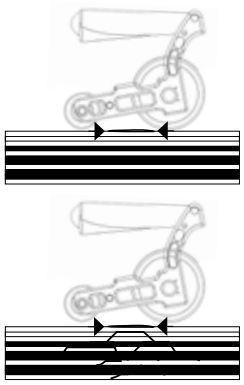
Features

- Roller PAUT probe
- Not influenced by thickness changes
- Ultra-light (600 g) & compact
- Can be operated by any technician (non-NDT expert)
- Go / no-Go output
- Low training and maintenance needed



"Go-NoGo"
Automatic diagnosis and sound alarm.

GO

NO GO

Technical specifications

Kit weight: 7 kg
Environment of use: Interiors and exteriors
External power needed: battery operated
Time of charge: 5 hours
Operating temperature range: -10°C to +55°C
Input frequency: 47-63 Hz.
Input current: 0.4 A max at 115 VAC.
Number of transmitters: 32
Number of scanners: 8
Cross talk between channels: < -40 dB
Heterogeneity between channels:< 2 dB and 5 ns
Delays between channels at transmission (resp. reception): from 0 to 20.48 µs, in steps of 2.5 ns (resp. 10 ns)
Encoding of the A-scans summed on: 16 bits
Maximum number of sequences that can be chained: 1024

Materials:
CFRP & GFRP