

We DEVELOP

D-LAM TOOL

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

D-Lam Tool 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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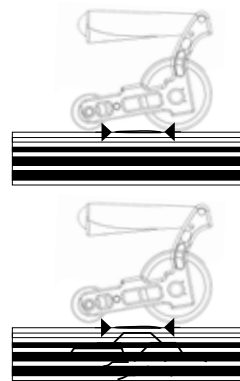


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Features

- Roller PAUT probe
- Not influenced by thickness changes
- Ultra-light (600g) & 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: 47-63Hz.

Input current: 0.4A max at 115VAC.

Number of transmitters: 32

Number of scanners: 8

Cross talk between channels: < -40dB

Heterogeneity between channels: < 2 dB and 5 ns

Delays between channels at transmission (resp. reception):
from 0 to 20.48 μ s, 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