

# We DEVELOP



# THICKNESS TOOL

20 times faster and accurate thickness mapping of blended-out areas

Thickness Tool is a PAUT device + 32 elements Roller probe + acquisition, analysis and reporting software for super quick thickness measurement.

## Benefits

### Efficiency

- Perform inspection on large areas 20 times faster.
- Get an accurate C-scan thanks to assisted acquisition software.
- Avoid delays on inspections thanks to remote assistance.
- Improve operator's performance with automated real-time diagnosis and reporting.
- Add to your workflow real digital continuity between acquisition and reporting.

### Flexibility

- Share reports with the 4G/Wi-Fi connectivity capabilities.

### Traceability

- Avoid dual entries and human errors thanks to automated reporting capabilities.

### Reliability

- Proven capabilities by being referenced by Airbus in NTM 51-10-04 « Procedure B ».

### Accuracy

- Get the level of results requested in the aerospace sector thanks to repeatability.

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## Extras

Referenced in NTM procedure  
NTM 51-10-04B

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## Features

- 20x faster thickness mapping
- Assisted (step by step) acquisition software
- Remote assistance
- Automatic reporting
- Digital continuity brick between acquisition and reporting
- Windows environment ready for connecting with your software
- Connectivity: Wi-Fi, 4G, etc.
- Automated reporting avoiding dual entries and human errors
- Airbus qualified NTM51-10-04 « Procedure B »
- Aerospace specific
- PAUT roller probe

## Technical specifications

Dimensions: 280 mm × 198 mm × 80 mm

Weight: 1.7 kg

Digitization dynamics: 12 bits

Maximum scanning frequency: 50 MHz (interpolated to 100)

Maximum delay: 655 μs in 10 ns steps

Maximum scanning depth 64000 samples

Equivalent input noise (μV) at any frequency < 100 nV/Hz

Data transfer: USB2 (35 Mo/s)

Number of 'hard' doors: 4

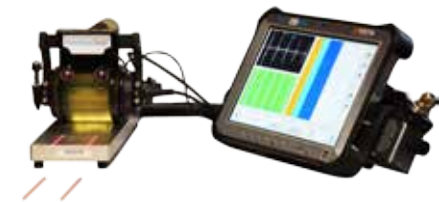
Type of peaks detected: 1st, Max, multipics

Door settings: threshold, start, length & synchronization type

Analog filters: none

Digital filters: low-pass, high-pass or band-pass (type: IIR or FIR)

Format of the setting files: ASCII



### Materials:

Aluminium 2024,  
7075 and others



### Thickness:

2 mm to 20 mm



### Running on:

SmartU32