

# We DEVELOP

## UE1BOX

Ultra-compact, customizable and integrable device for multi-methods inspection and reporting

UT, ET with Rotor, and/or Resonance inspection methods at the same workstation from test bench up to production line applications

### Benefits

#### Efficiency

- Wide range of applications with this all-in-one box
- Agile decision making with real-time data stream
- Analysis automation possible via NDTkitUT
- Rapid data positioning during acquisition thanks to encoder capabilities
- Intuitive software suite ready to use with dedicated SDK package
- Get comprehensive documentation and support

#### Reliability

- Designed for aerospace requirements, customizable for any industrial needs thanks to its compliance to EN ISO 22232-1 & EN ISO 15548-1
- Proven capabilities on many automatic & robotized machines in use

#### Ergonomic

- Easily integrable with its rugged packaging
- Light-weight and small device
- Fanless with waterproof connectors

#### Flexibility

- Versatile performance with this 3 methods device (UT, ET & Resonance)
- Simple data visualization thanks to its exportable and editable datafiles (MS Excel, NDTkit, etc.)
- Tailor your UT and/or ET acquisition software to your needs via dedicated SDK
- Complete set of inspection methods:
  - UT: flaw detector, 'Go/NoGo' or thickness gauge with grid mapping; pulse-echo or transmission (pitch/catch); 2D mapping or 3D mapping
  - ET: flaw detector, 'Go/NoGo', conductivity or coating measurements; absolute, differential, bridge, rotary modes
- Compatible with any PC or tablet with MS Windows
- Compatible with standard scanners like Testia' SmartScan, crawlers or complex robots

#### Traceability

- Full signals recording & reporting generation



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## Extras

The UE1Box can be proposed with several accessories (transducers, cables, calibration blocks, scanners) & related products (SmartScan, NDTkit, RemoteAssistance, ...)

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Ultra-compact, customizable and integrable device for multi-methods inspection and reporting

## Features

- Ultra compact architecture
- USB plug and play device
- 3 methods in one device (UT, ET & Resonance)
- Built-in Rototest capability
- Rapid data referencing during acquisition thanks to its encoder capabilities (up to 4)
- UT and/or ET SDK (Software Development Kit)
- Analysis automation via NDTkitUT
- Automatic reporting generation
- Digital continuity brick between acquisition and reporting
- Dual power supply (USB or Main) for rapid switch from test bench up to production line applications

## Technical specifications

Dimensions: 169mm x 130mm x 52mm

Weight: 1 Kg (battery included)

Connectors :

- Power supply: Main or USB
- Transfer of settings and data: USB
- Ultrasonic transducers: Lemo 00
- Eddy current probes: Fischer 16 pins
- Position encoder 4 inputs via Fischer 12 pins
- Analog signal output: none
- Power supply: 100-240VAC 50/60Hz 1.6-0.9A or USB

IP level: 65

Temperature range: -10 °C to 45 °C

Software: runs on Windows 7; 8.1; 10

LabView based SDK package

Conformity with standards EN ISO 22232-1 and EN ISO 15548-1 + CE marking



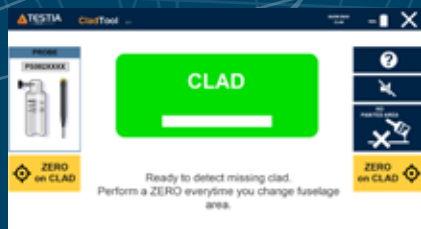
## Materials:

All

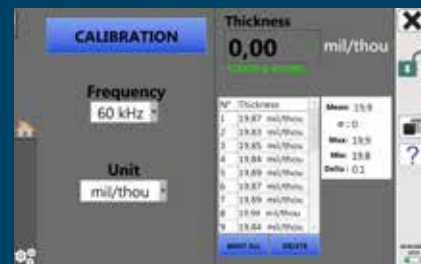
# We DEVELOP

## SMARTUE1 & UE1BOX SOFTWARE

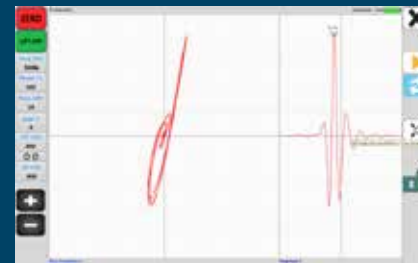
CladTool



Coating Thickness



ET (inc. rototest)



Conductivity



UT



Resonance



Galvanometer



Thickness Gauge

