

We DEVELOP

U32 BOX

Ultra-compact, customizable and integrable device for
UT & PAUT inspection, analysis and reporting

Boost inspection efficiency with UT & PAUT inspection methods
from test bench up to production line applications

Benefits

Efficiency

- Reach inspection industrial volume thanks to larger coverage and automation
- Rapid data positioning during acquisition thanks to encoder capabilities
- Agile decision making with real-time data streaming
- Intuitive software suite ready to be used with dedicated SDK package
- Analysis automation possible via NDT Kit UT
- Get comprehensive documentation and support
- Trouble free set-up using the box USB Plug & play feature

Reliability

- Designed for aerospace requirements, customizable for any industrial needs thanks to its compliance to EN ISO18563-1
- Proven capabilities on many automatic & robotized machines in use

Traceability

- Full signals recording
- Automatic reporting generation

Flexibility

- UT & PAUT methods: flaw detector, 'Go/NoGo' or thickness tool with grid mapping; pulse-echo or transmission (pitch/catch); 2D mapping or 3D mapping
- Simple data visualization thanks to its exportable and editable datafiles (MS Excel, NDT kit, etc.)
- Tailor your PAUT acquisition software to your needs via dedicated SDK
- Compatible with standard scanners like Testia' SmartScan, crawlers or complex robots
- Compatible with any PC or tablet running on MS Windows

Ergonomic

- Light-weight and small device
- Easily integrable with its rugged packaging
- Double power option (Main or USB) for rapid switch from test bench up to production line applications



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Features

- UT & PAUT methods
- PAUT SDK (Software Development Kit)
- Ultra compact architecture
- USB plug and play device
- Rapid data referencing during acquisition thanks to its encoder capabilities (up to 3)
- Digital continuity brick between acquisition and reporting
- Analysis automation via NDT Kit UT
- Automatic reporting generation
- Double power option (Main or USB)

Technical specifications

Dimensions: 200mm × 80mm × 35mm

Weight 0.36 Kg (battery included)

Connectors:

- Power, communication and data transfer: USB2 (5 V ; 1 A ; 35Mo/s)
- External power supply: 1 Lemo® 5 pins (5 V / < 2.4 A)
- Phased arrays: 1 Ipex®
- 3 encoders inputs + 1 trigger: Fischer® 12 pins

External power supply: 100-240VAC 50/60Hz 1.6-0.9A or USB

Analog signals output: none

Environment: Rohs

Standards compliance: CE marking & ISO18563-1

IP rating: IP54

Range of operating temperatures: 0 °C to 40 °C

Relative operating humidity: 30% to 80% (no condensation)

Network electricity fluctuation: up to +/-10% of the maximum voltage

Overvoltage category: II

Pollution level: 2



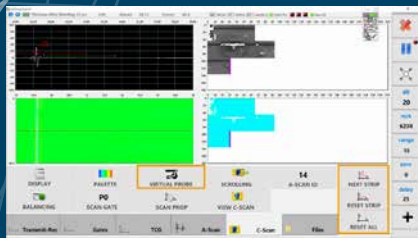
Materials:

All

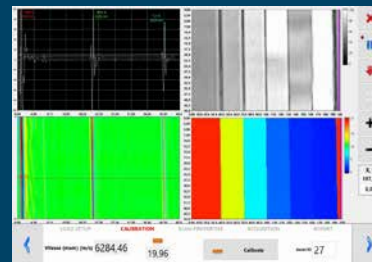
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SMARTU32 & U32BOX SOFTWARE

PAUT



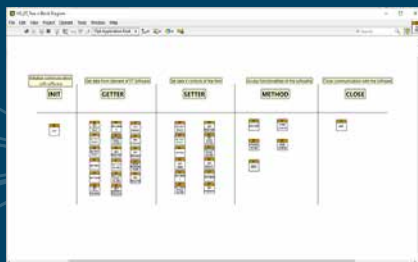
Thickness Tool



LineSizing



SDK



& YOUR SOFTWARE, BASED ON THE SDK