We DEVELOP

TESTIA
AN AIRBUS COMPANY

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 NDTkit 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 ISO 18563-1
- Proven capabilities on many automatic & robotized machines in use

Traceability

- Full signals recording
- Automatic reporting generation

Flexibility

- UT & PAUT methods: flaw detector, Go/No-Go or ThicknessTool 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, NDTkit, etc.)
- Tailor your PAUT acquisition software to your needs via dedicated SDK
- Compatible with standard scanners like Testia Smart Scan, 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 NDTkit UT
- Automatic reporting generation
- Double power option (Main or USB)

Technical specifications

Dimensions: 200 mm × 80 mm × 35 mm
Weight 0.36 kg (battery included)
Connectors: - Power, communication and data transfer: USB2 (5 V ; 1 A ; 35 Mb/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: 100-240 V AC 50/60 Hz 1.6–0.9 A or USB
Analog signals output: none
Environment: Rohs
Standards compliance: CE marking & ISO 18563-1
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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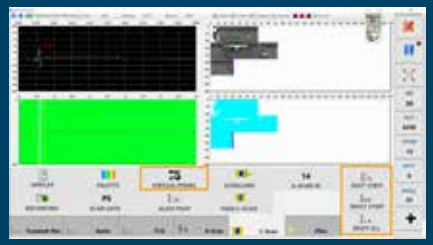
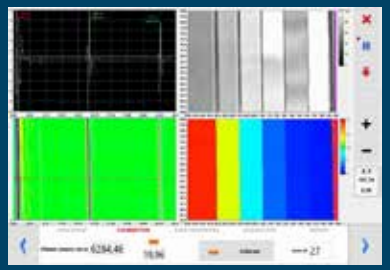
SMART U32 & U32 BOX SOFTWARE

PAUT



ThicknessTool



LineSizing

SDK

& YOUR SOFTWARE, BASED ON THE SDK

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