



# Flaw Detection

# FD100 TOFD

Ultrasound Inspection for different type of materials, metal and not metal, such as composite or plastic



## **Efficiency**

Two channels of TOFD simultaneously in one pass to offset scans inspecting Heat Affected Zone (HAZ) of welds and/or large wall thickness up to 300 mm.



#### **Performance**

Advanced features such as lateral wave removal and lateral wave straightening for clearer and more accurate sizing.



# **High-quality**

A strong square wave pulser, so no TOFD preamplifier required in almost all situations.



## Processing Unit / Sensor

Configuration	2 UT Channels
Transducer Socket	Lemo 1 or BNC
Pulse Voltage	100 to 450 V (in 10 V steps)
PRF	1 to 1500 Hz
Gain Range	100 dB (0.1 dB steps)
Bandwidth	200 kHz to 22 MHz
Display	TFT 8.4"
Signal Enhancement	Digital filters, smoothing, contouring, rejection, averaging
Architecture	2 channels
Digitizing Frequency	50 MHz, 100 MHz, 200 MHz
Maximum A Scan Length	8192
Supported Scans	A, B, C-Scan, Merged & TOFD
Number of Scans	Up to 2
Number of Layouts	18
Measurements	Path length, depth, surface distance, DAC, AWS, DGS, TGS
File Size	Up to 3 GB
Report Generation	Customisable pdf report, PNG screen capture, CSV file output option
Encoder	1 or 2 axis (quadrature input)
Languages	English, German, French, Spanish, Russian, Chinese, Hungarian, Italian, Portuguese, and Japanese
Battery Life	7 Hrs
IP rating	IP66



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