



## 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.



## Software / Workspace App



## Processing Unit / Sensor

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

SWISS  MADE

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