



## Flaw Detection

# FD100 UT

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



## Upgrade-ready

The Proceq Flaw Detector 100 can be upgraded with the Ultrasonic Time of Flight Diffraction (TOFD) and Phased Array (PA) modes anytime and anywhere, even on-site.



## Precision



## Interactive

It offers outstanding, powerful hardware, a true square wave pulser, 200MHz digitizing frequency, broad system bandwidth from 200 kHz to 20 MHz, and twin axis encoding to offer users an extremely comprehensive measurement solution.

With a built-in 3D beamtool showing the part, weld, wedge, probe, scan coverage, and a real-time interactive ray-tracer which plots the beam path and indication location directly in the part. This powerfully helps assess and communicate the indication location easily.



## Instrument

### Tech Specs

<b>Configuration</b>	2 UT Channels
<b>Transducer Socket</b>	Lemo 1 or BNC
<b>Pulse Voltage</b>	100 to 450 V (square pulse)
<b>PRF</b>	1000 to 1500 Hz
<b>Gain Range</b>	100 dB (0.1 dB steps)
<b>Bandwidth</b>	0.2 - 22 MHz
<b>Display</b>	TFT 8.4"
<b>Signal Enhancement</b>	Digital filters, smoothing, contouring, rejection, averaging
<b>Architecture</b>	2 channels, true 200 MHz sampling rate
<b>Digitizing Frequency</b>	50 MHz, 100 MHz, 200 MHz
<b>Supported Scans</b>	A, B, C, Top and End
<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
<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>Special Features</b>	IP66

Standards & Guidelines	Description
FOCT 14782	
FOCT 55724	
EN 12668-1	

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