



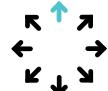
## Flaw Detection

# FD100 PA 16:16

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

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### Performance

High level of performance for conventional portable flaw detection with the power of phased array. The same software workflow between modules makes the learning phased array familiar, easier, and quicker.

### Versatility

Comprehensive imaging capabilities cover many applications including; A, B, C, S, True Top, and End scans.

### Productivity

The 3D scan plan helps to visualize the phased array beam coverage in the component. It also shows the defect position using the 3D toolset to create valuable images.



## Tech Specs

<b>Display</b>	TFT 8.4"
<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



## Instrument

### Tech Specs

<b>Configuration</b>	2 UT & 1 I-PEX Channels
<b>Transducer Socket</b>	Lemo1 - BCD I-PEX
<b>Pulse Voltage</b>	25 to 75 V (in 5 V steps)
<b>PRF</b>	1 to 5000 Hz
<b>Gain Range</b>	76 dB (0.1 dB steps)
<b>Bandwidth</b>	PA: 200 KHz to 14 MHz UT 200 KHz to 22 MHz
<b>Display</b>	TFT 8.4"
<b>Signal Enhancement</b>	Digital filters, smoothing, contouring, rejection, averaging
<b>Architecture</b>	16 active channels
<b>Digitizing Frequency</b>	65 MHz
<b>Focal Laws</b>	128
<b>Maximum A Scan Length</b>	4096
<b>Supported Scans</b>	A, B, C, L, S-Scan, Merged, true Top & End
<b>Number of Scans</b>	1 (with up to 3 extracted A scans)
<b>Number of Layouts</b>	35
<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>	6 Hrs
<b>IP rating</b>	IP66

Standards & Guidelines	Description
FOCT 14782	
FOCT 55724	
EN 12668-1	
ISO 18563-1	

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