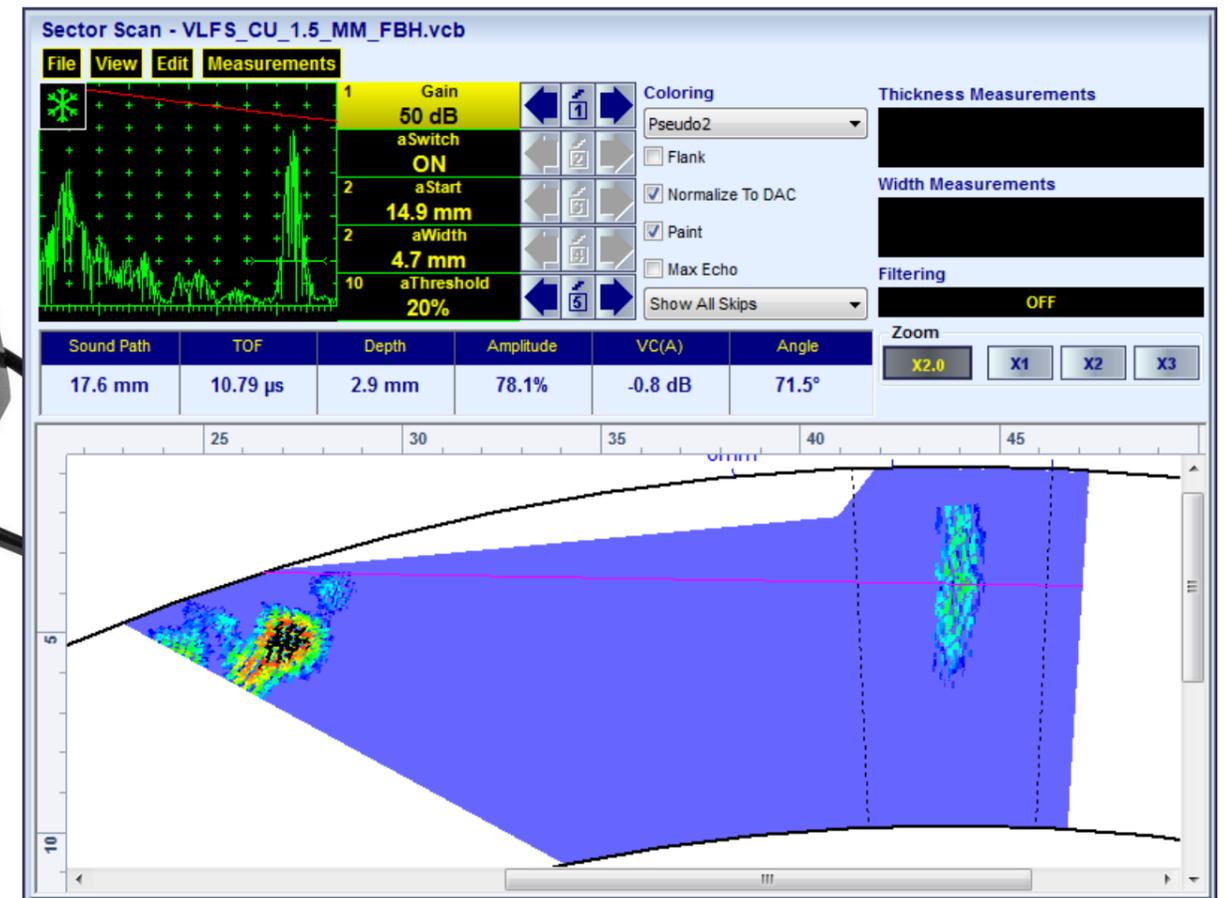
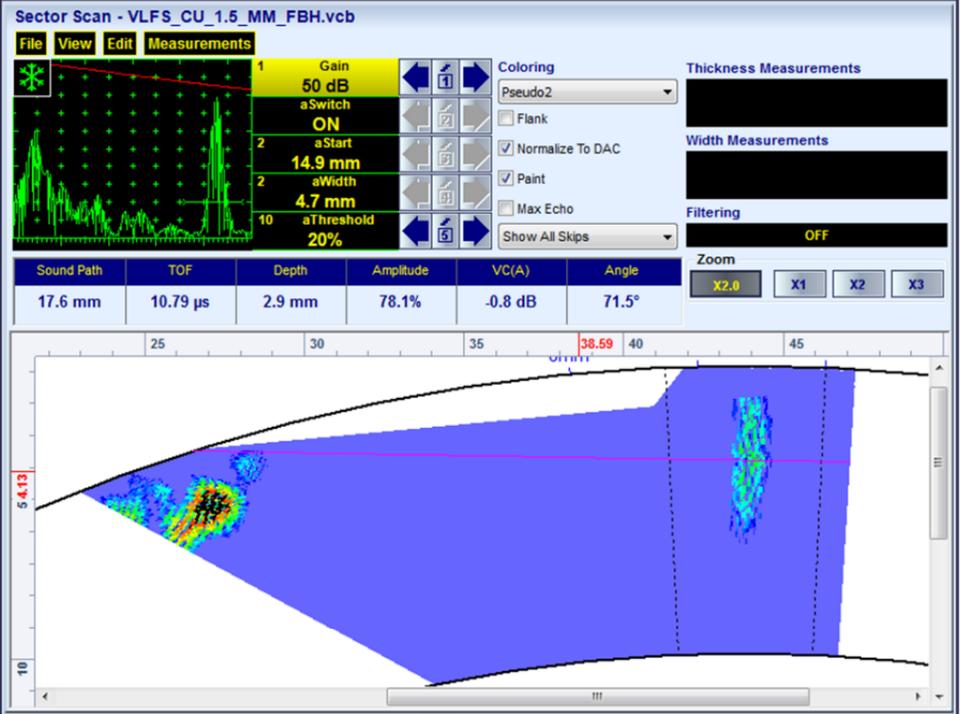




Inspection of longitudinal ERW – calibration block

Item	Order Code (Part #)
<p>Inspection SW Application for ISONIC 3510 - Phased Array Modality: <b>VLFS CU – Vertical Line Focusing Scanning and Imaging of Tubular Objects (typical application: inspection of narrow gap heavy thickness longitudinal welds, ER welds in tubes and similar objects)</b></p> <ul style="list-style-type: none"> <li>⇒ True-To-Geometry Volume Corrected Imaging - Cross Sectional and Top (C-Scan)- / Side- / End- View and 3D</li> <li>⇒ Sector-Scan Cross Sectional Coverage</li> <li>⇒ Intuitive Image Guided PA Pulser Receiver with Beam Forming View</li> <li>⇒ DAC / TCG Normalization</li> <li>⇒ Built-In Ray Tracer - Scanning Pattern Design</li> <li>⇒ Independent on TCG Angle Gain Compensation / Gain Per Focal Law Correction</li> <li>⇒ Automatic Coupling Monitor</li> <li>⇒ Encoded and Time based C-Scan</li> <li>⇒ 100% Raw Data Capturing</li> <li>⇒ FMC/TFM Protocol for the data acquisition and imaging</li> <li>⇒ Automatic Defects Alarming Upon C-Scan Acquisition Completed</li> <li>⇒ Automatic Creation of Editable Defects List</li> <li>⇒ Puzzling Suitable C-Scan Inspection Record - Ability of Scanning Weld In Several Shots from Both Side with Storing a Number of Files Mergeable Into a Single File Inspection Report</li> <li>⇒ Comprehensive Postprocessing Including:               <ul style="list-style-type: none"> <li>→ Recovery and Evaluation of Captured A-Scans from the Recorded Cross Sectional Views (Sector Scan) and C-Scans</li> <li>→ Recovery of Cross Sectional Views from the Recorded C-Scans</li> <li>→ Converting Recorded C-Scans or their Segments into 3D Images</li> <li>→ Off-Line Gain Manipulation</li> <li>→ Off-Line DAC Normalization of the Recorded Images / DAC Evaluation</li> <li>→ Numerous Filtering / Reject Options ( by Geometry / Position / By Amplitude db-toDAC / etc )</li> <li>→ Defects Sizing</li> <li>→ Creation of Defect List and Storing it Into a Separate File</li> <li>→ Automatic creating of inspection reports - hard copy / PDF File</li> </ul> </li> </ul>	SWA 3510007

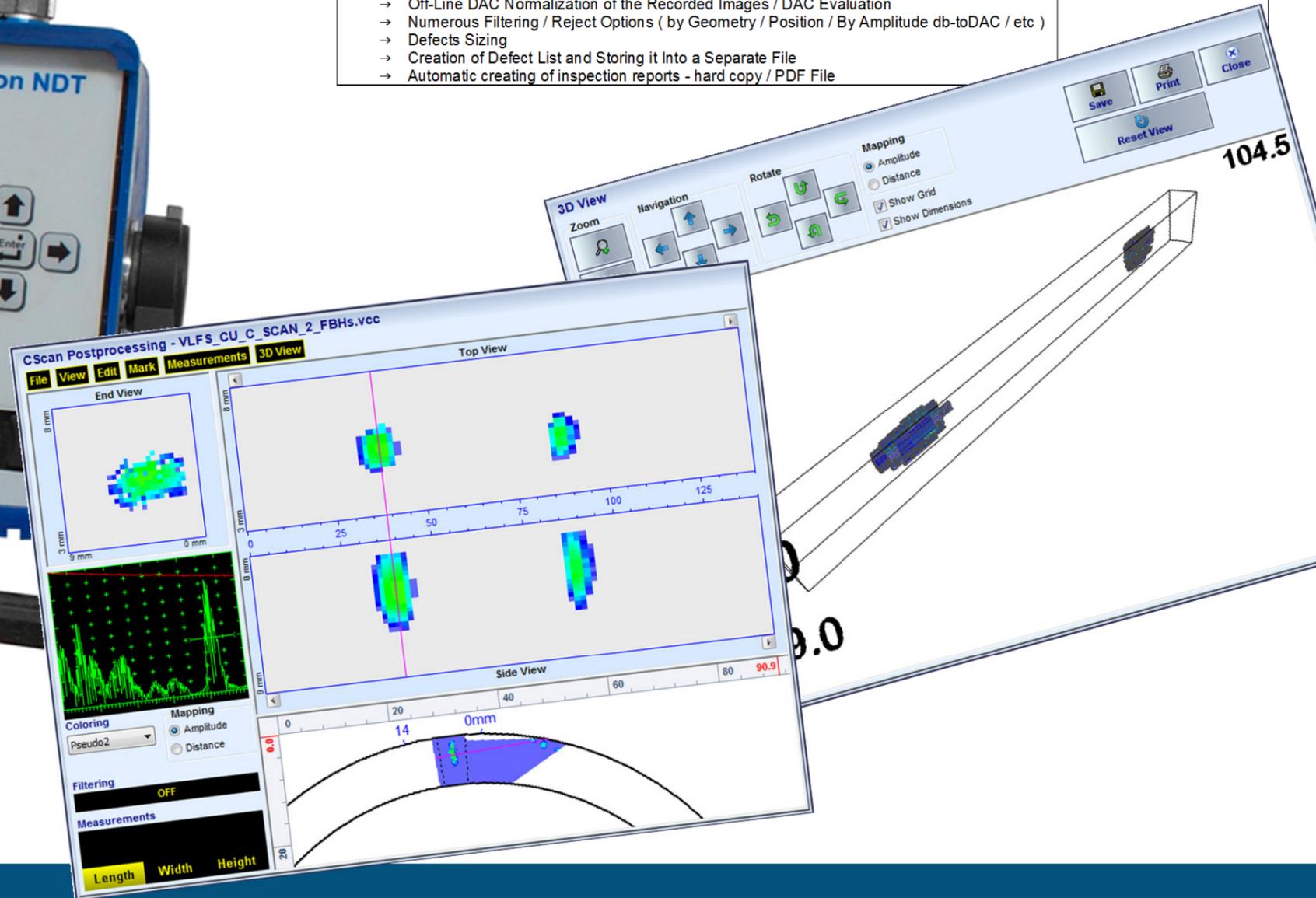




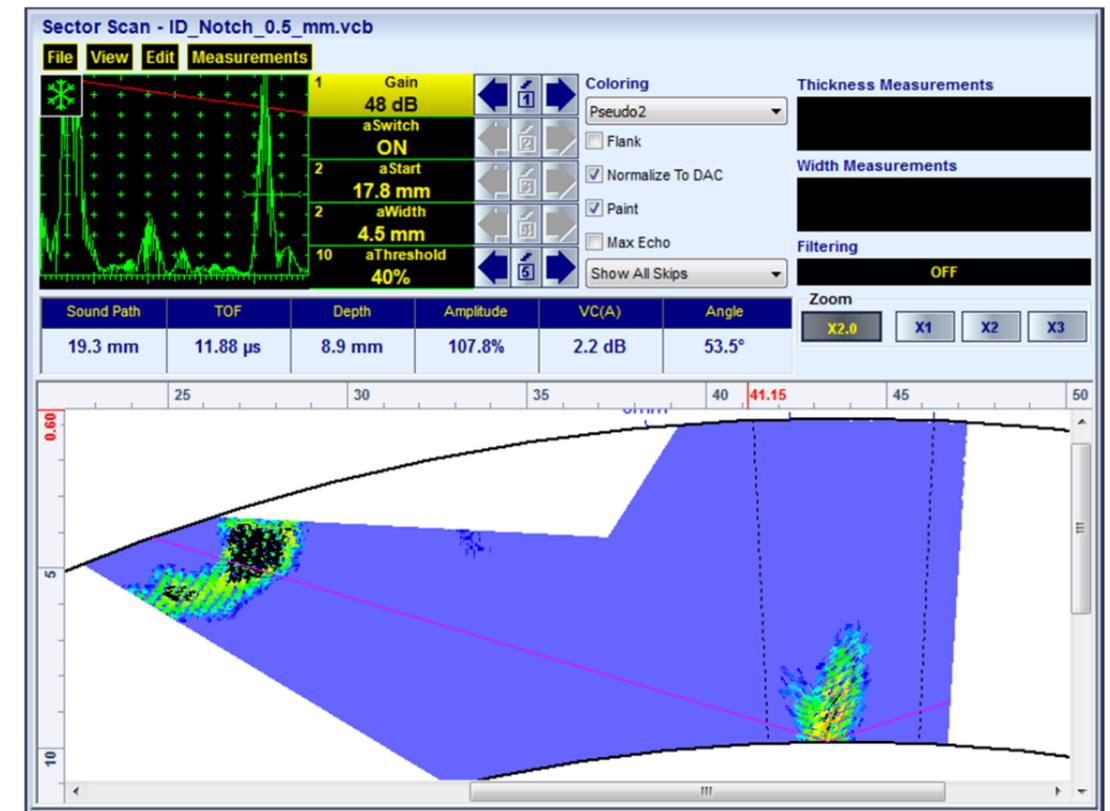
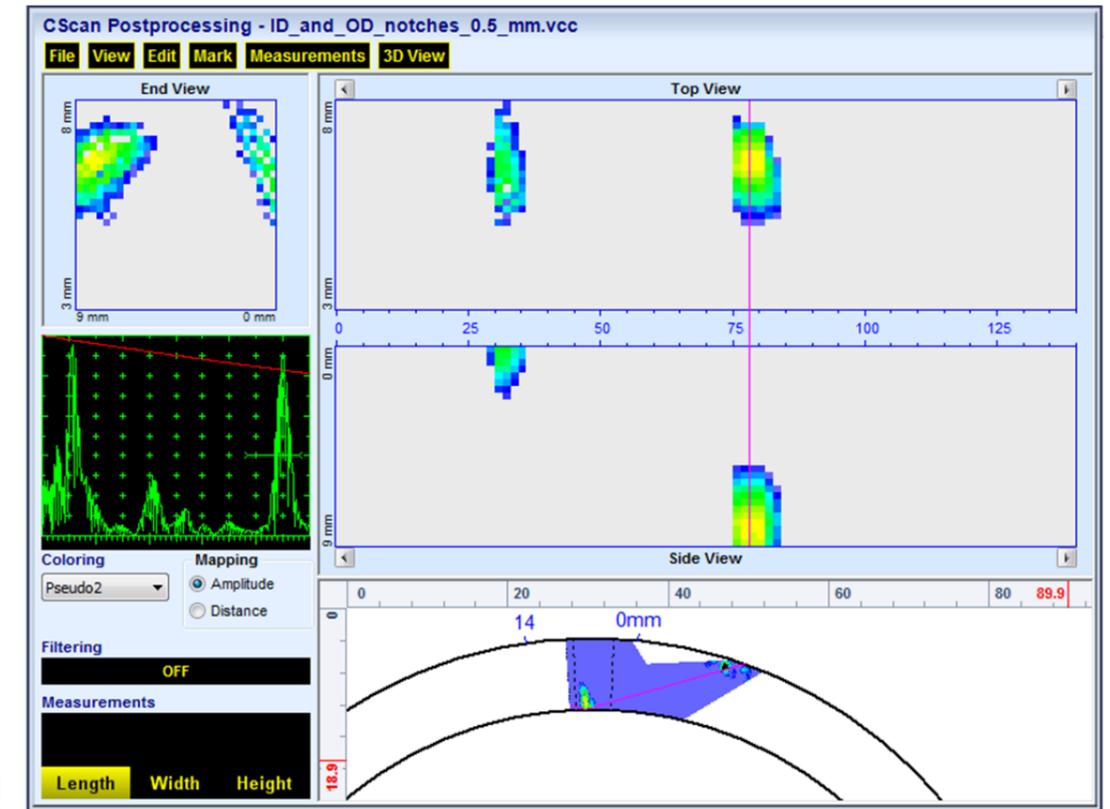
Item	Order Code (Part #)
<p>Inspection SW Application for ISONIC 2010 / ISONIC 2010 EL - Phased Array Modality: VLFS CU – Vertical Line Focusing Scanning and Imaging of Tubular Objects (typical application: inspection of narrow gap heavy thickness longitudinal welds, ER welds in tubes and similar objects)</p> <ul style="list-style-type: none"> <li>⇒ True-To-Geometry Volume Corrected Imaging - Cross Sectional and Top (C-Scan) / Side / End- View and 3D</li> <li>⇒ Sector-Scan Cross Sectional Coverage</li> <li>⇒ Intuitive Image Guided PA Pulsed Receiver with Beam Focusing View</li> <li>⇒ DAC / TCG Normalization</li> <li>⇒ Built-In Ray Tracer - Scanning Pattern Design</li> <li>⇒ Independent on TCG Angle Gain Compensation / Gain Per Focal Law Correction</li> <li>⇒ Automatic Coupling Monitor</li> <li>⇒ Encoded and Time based C-Scan</li> <li>⇒ 100% Raw Data Capturing</li> <li>⇒ FMC/TFM Protocol for the data acquisition and imaging</li> <li>⇒ Automatic Defects Alarming Upon C-Scan Acquisition Completed</li> <li>⇒ Automatic Creation of Editable Defects List</li> <li>⇒ Puzzling Suitable C-Scan Inspection Record - Ability of Scanning Weld In Several Shots from Both Side with Storing a Number of Files Mergeable Into a Single File Inspection Report</li> <li>⇒ Comprehensive Postprocessing Including: <ul style="list-style-type: none"> <li>→ Recovery and Evaluation of Captured A-Scans from the Recorded Cross Sectional Views (Sector Scan) and C-Scans</li> <li>→ Recovery of Cross Sectional Views from the Recorded C-Scans</li> <li>→ Converting Recorded C-Scans or their Segments into 3D Images</li> <li>→ Off-Line Gain Manipulation</li> <li>→ Off-Line DAC Normalization of the Recorded Images / DAC Evaluation</li> <li>→ Numerous Filtering / Reject Options ( by Geometry / Position / By Amplitude db-toDAC / etc )</li> <li>→ Defects Sizing</li> <li>→ Creation of Defect List and Storing it Into a Separate File</li> <li>→ Automatic creating of inspection reports - hard copy / PDF File</li> </ul> </li> </ul>	SWA 910807



Inspection of longitudinal ERW – calibration block



Inspection of longitudinal ERW – calibration block



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