



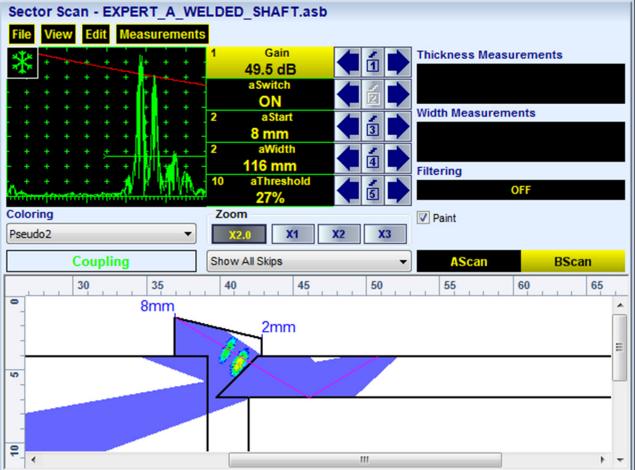


Item	Order Code (Part ##)
Inspection SW Application for ISONIC 3510T, ISONIC 3510 - Phased Array Modality: Expert A - Weld Inspection - planar and circumferential butt welds with symmetrical and asymmetrical bevel, unbeveled, misaligned, socket welds, and the like	SWA 3510025
Inspection SW Application for ISONIC 2010 / ISONIC 2010 EL - Phased Array Modality: Expert A - Weld Inspection - planar and circumferential butt welds with symmetrical and asymmetrical bevel, unbeveled, misaligned, socket welds, and the like	SWA 910825
Inspection SW Application for ISONIC 2009 UPA-Scope - Phased Array Modality: Expert A - Weld Inspection - planar and circumferential butt welds with symmetrical and asymmetrical bevel, unbeveled, misaligned, socket welds, and the like	SWA 909825
asymmetrical bevel, unbeveled, misaligned, socket welds, and the like ⇒ True-To-Geometry Weld Overlay Volume Corrected Imaging - Cross Sectional and Top (C-Scan)- / Side- / End- View and 3D ⇒ Sector-Scan and B-Scan (Linear Scan) Cross Sectional Coverage ⇒ Intuitive Image Guided PA Pulser Receiver with Beam Forming View ⇒ DAC / TCG Normalization ⇒ Built-In Weld Geometry Editor and Ray Tracer - Scanning Pattern Design ⇒ Independent on TCG Angle Gain Compensation / Gain Per Focal Law Correction ⇒ Automatic Coupling Monitor ⇒ Automatic Scanning Integrity Monitor ⇒ Detection of the defects in the parent material simultaneously with weld inspection ⇒ Encoded and Time based C-Scan ⇒ 100% Raw Data Capturing ⇒ FMC/TFM Protocol for the data acquisition and imaging ⇒ Automatic Defects Alarming Upon C-Scan Acquisition Completed ⇒ Automatic Creating of Scanning Integrity Report Upon C-Scan Acquisition Completed ⇒ Comprehensive Postrpocessing Including: → Recovery and Evaluation of Captured A-Scans from the Recorded Cross Sectional Views (Sector Scan) and C-Scans → Recovery of Cross Sectional Views from the Recorded C-Scans → Converting Recorded C-Scans or their Segments into 3D Images → Off-Line Gain Manipulation → Off-Line DAC to TCG / TCG to DAC toggling for all types of stored files (A-Scans, cross-sectional views, C-Scans, etc) → Off-Line DAC Normalization of the Recorded Images / DAC Evaluation → Off-Line DAC Normalization of the Recorded Images / DAC Evaluation → Off-Line DAC Normalization of the Recorded Images / DAC Evaluation → Off-Line DAC Normalization of the Recorded Images / DAC Evaluation → Off-Line DAC Normalization of the Recorded Images / DAC Evaluation → Off-Line Captured A-Scan data → Numerous Filtering / Reject Options (by Geometry / Position / By Amplitude / dB-to-DAC / etc) → Defects Sizing → Automatic Creating of Scanning Integrity Report → Automatic Creating of inspection reports - hard copy / PDF File	







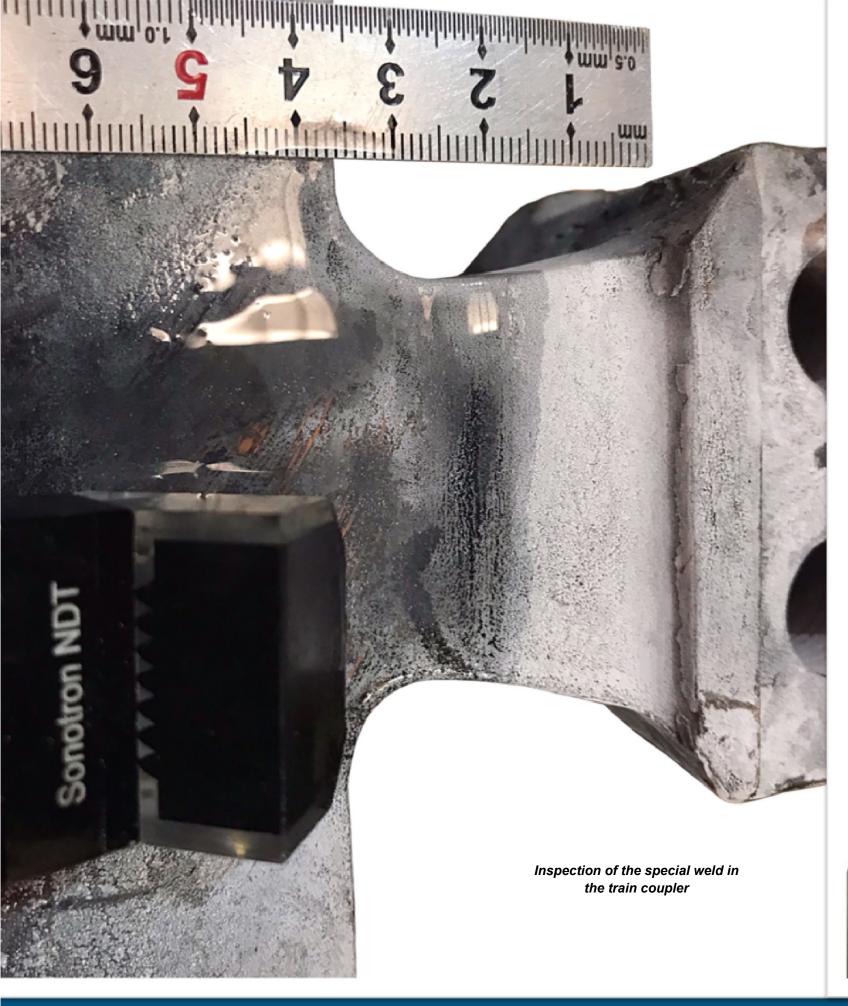


Inspection of the asymmetrical wall tube to cast ring circumferential asymmetrical weld



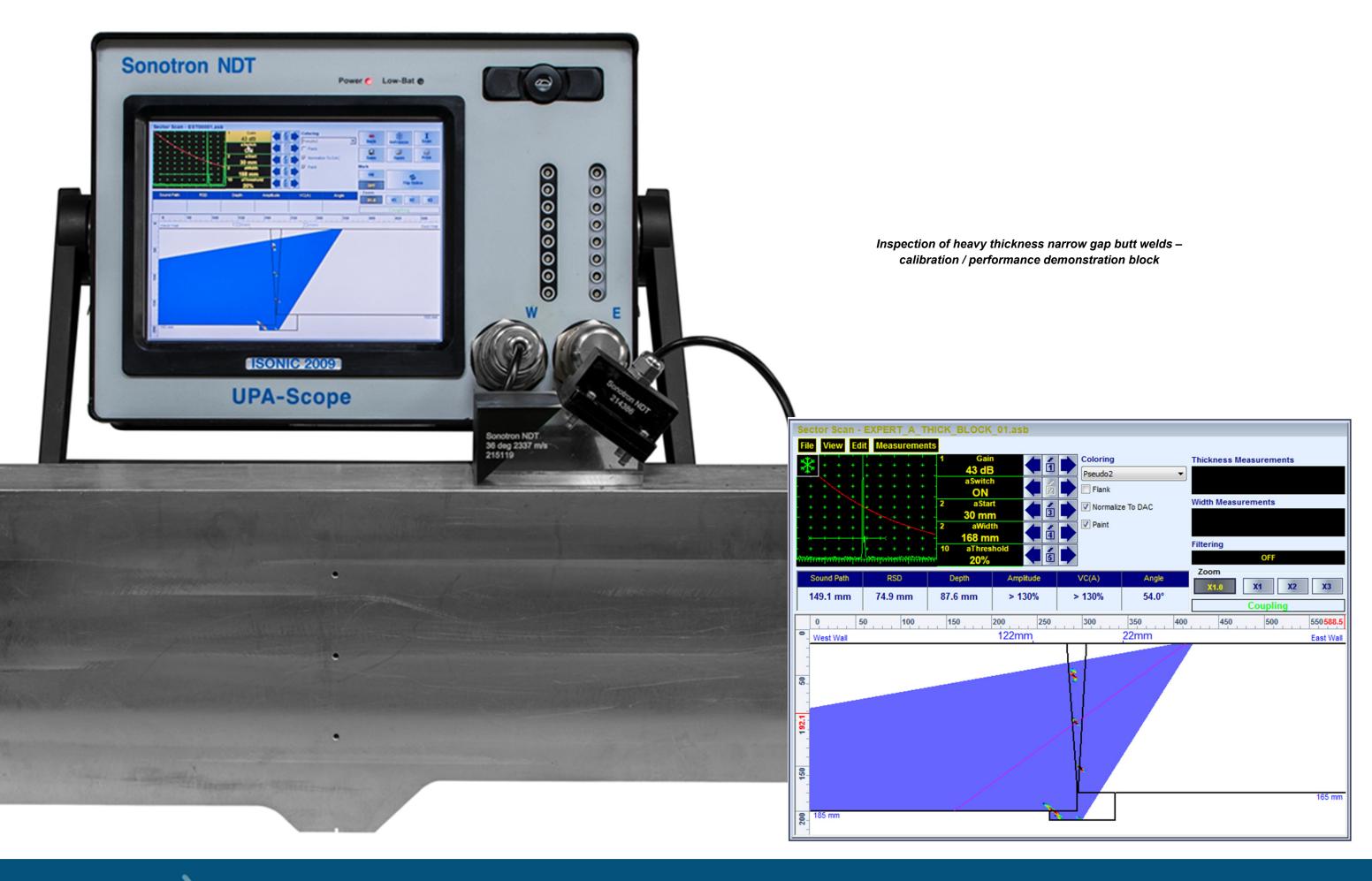


Inspection of the special weld in the train coupler







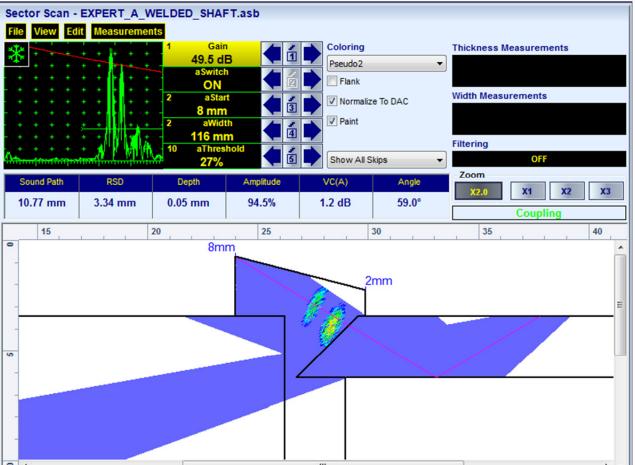








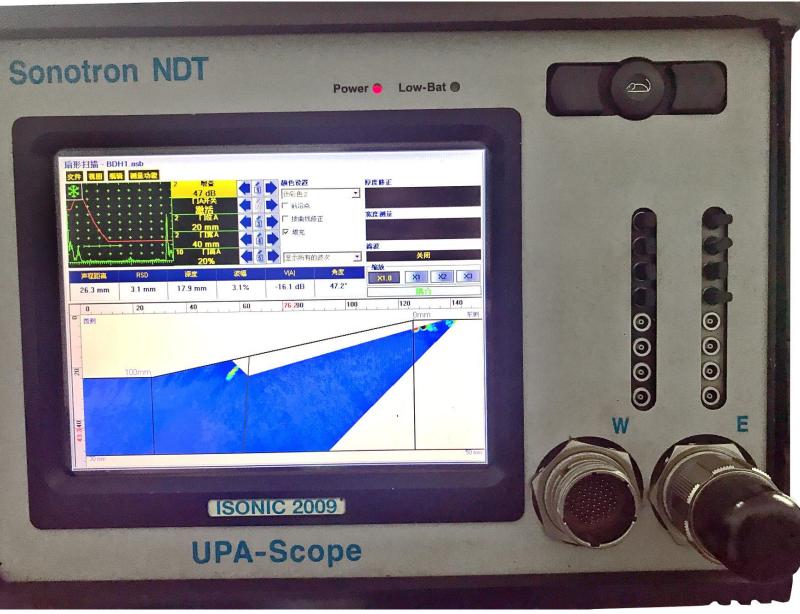




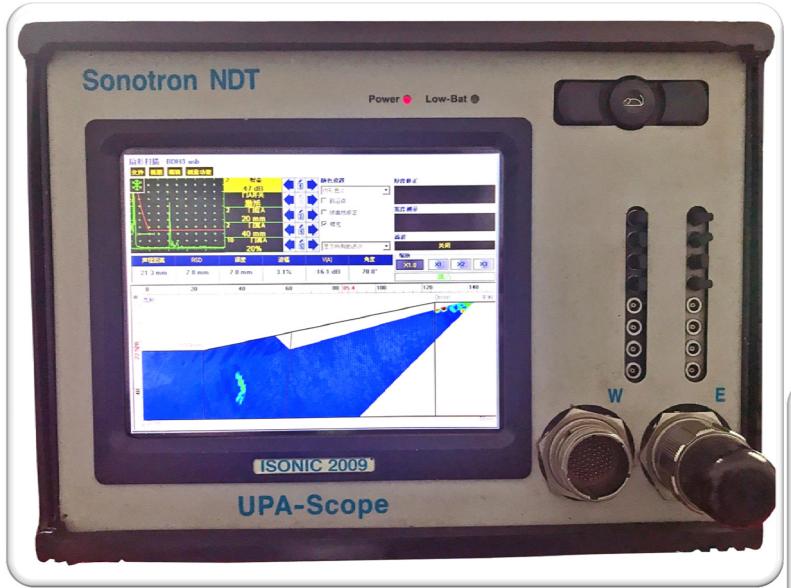
Inspection of the asymmetrical wall tube to cast ring circumferential asymmetrical weld



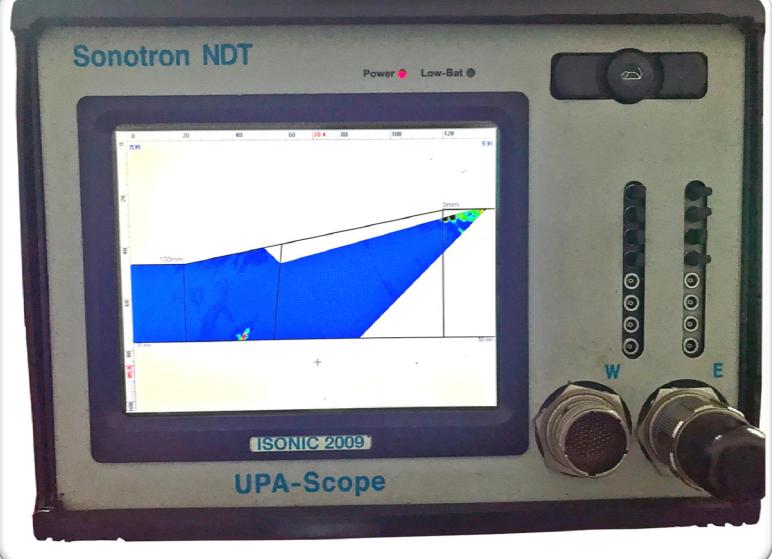






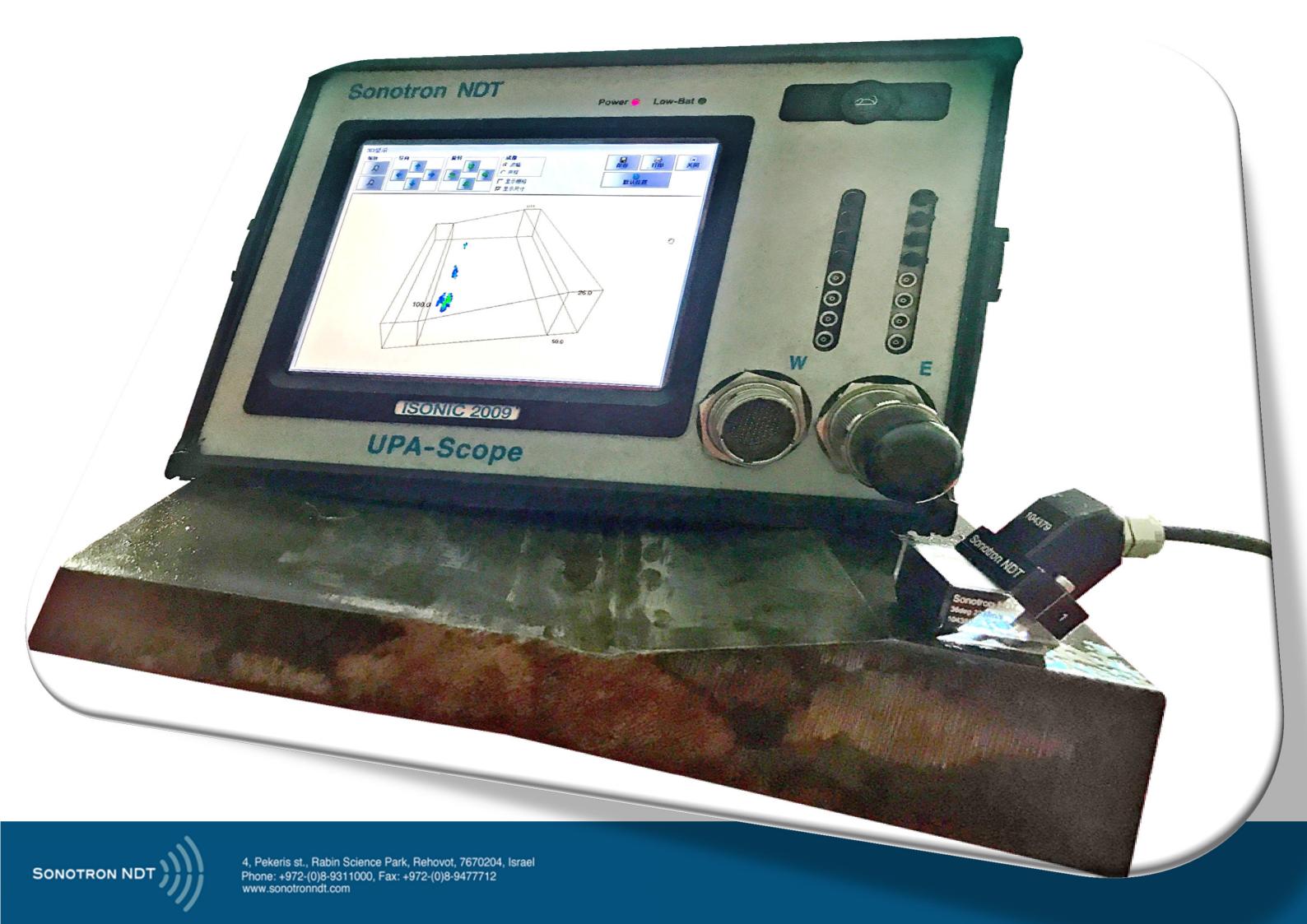


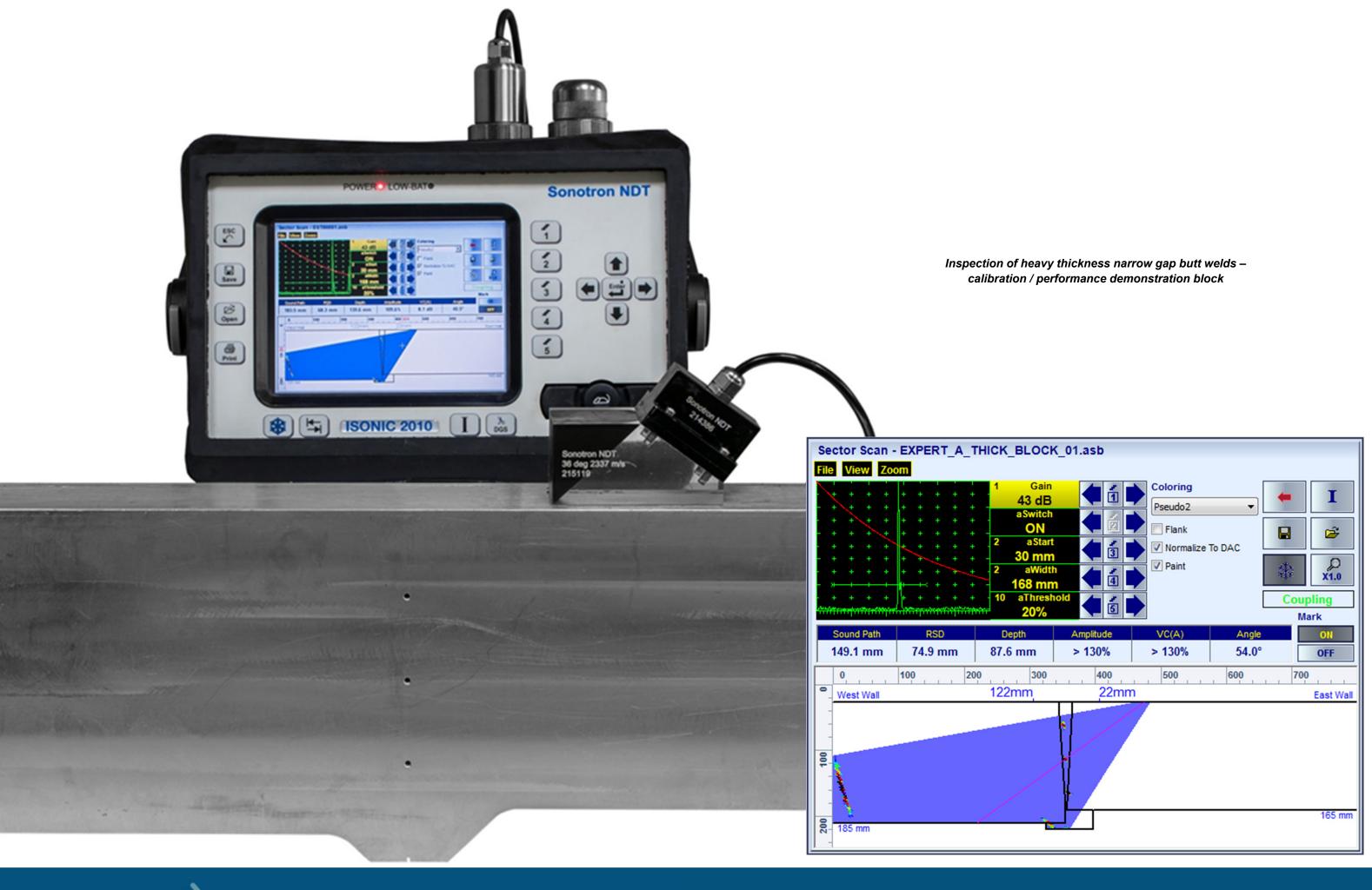
UPA-Scope



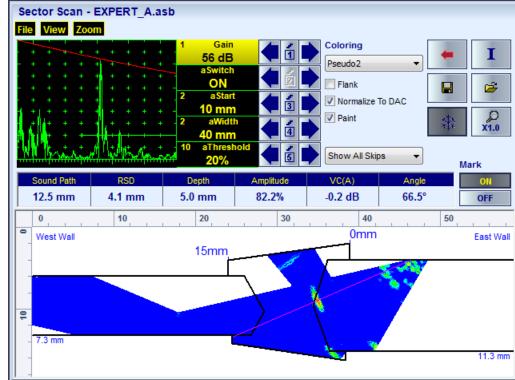


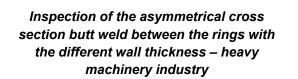
4, Pekeris st., Rabin Science Park, Rehovot, 7670204, Israel Phone: +972-(0)8-9311000, Fax: +972-(0)8-9477712 www.sonotronndt.com



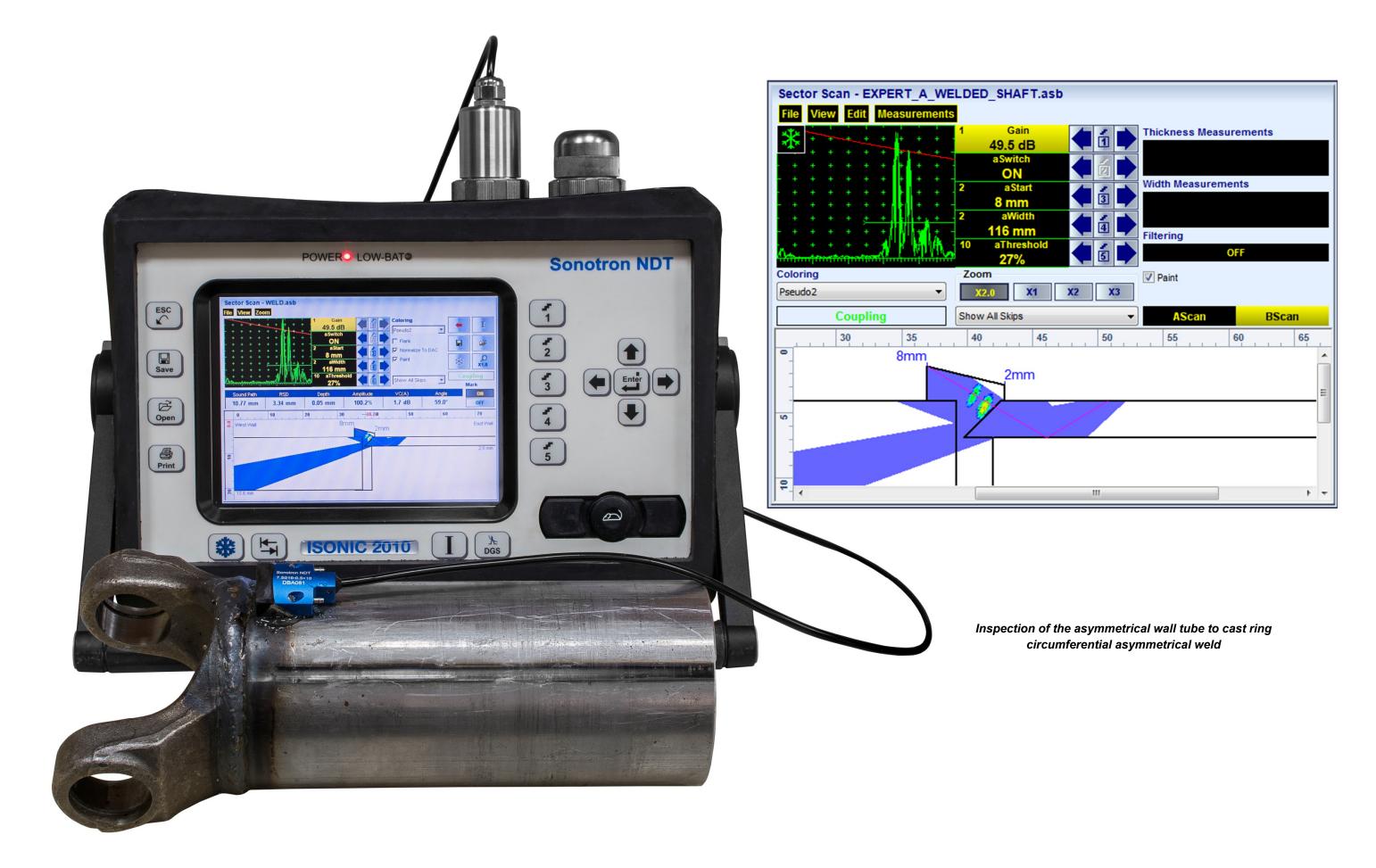






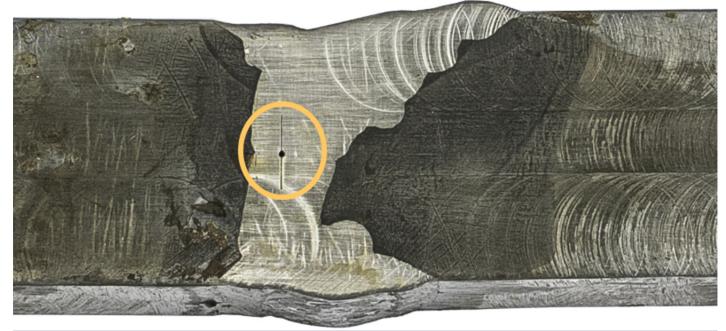


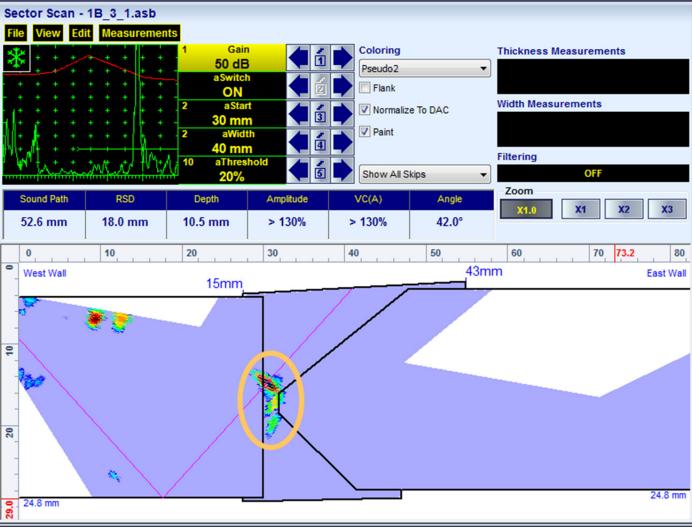


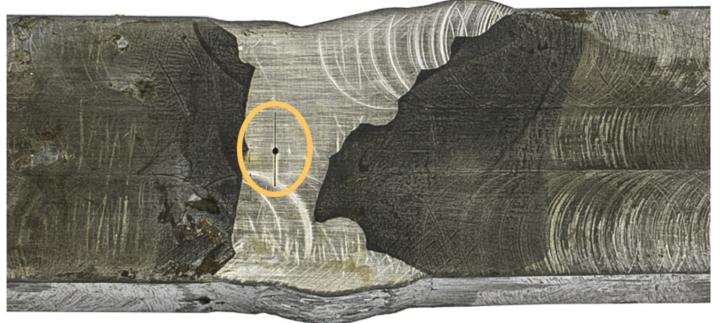


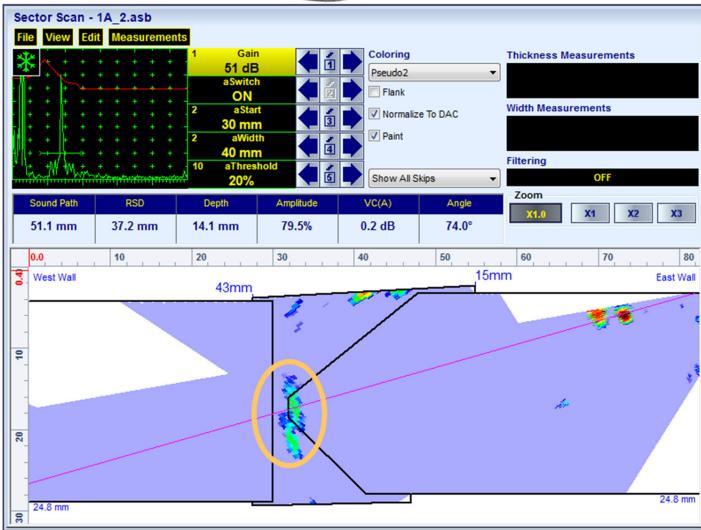


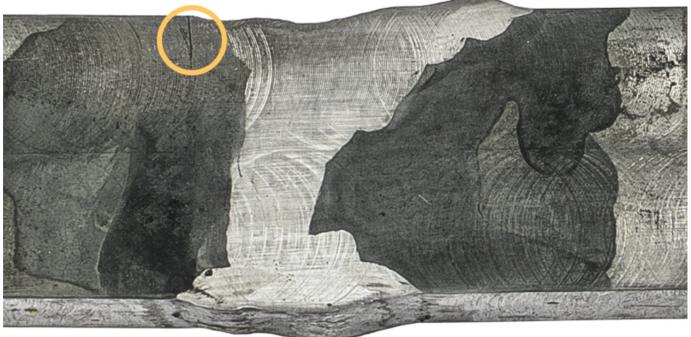
Vertical Crack

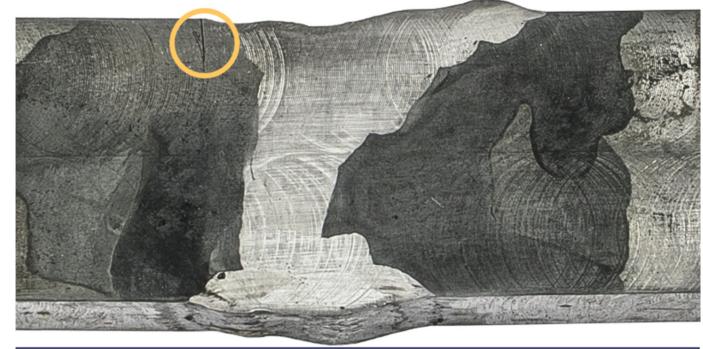


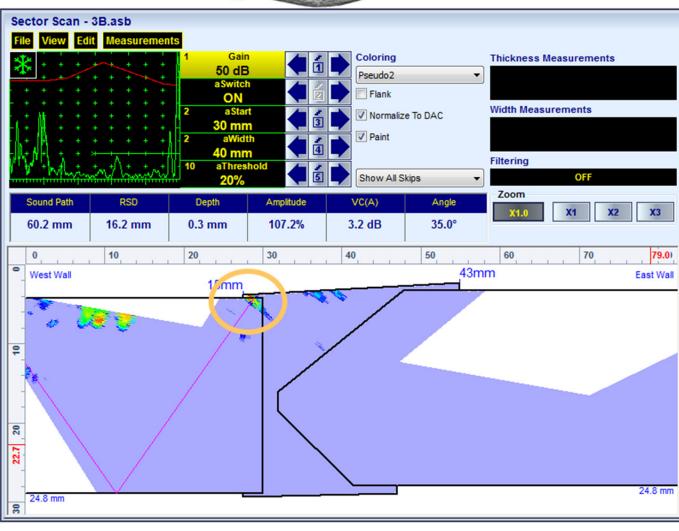


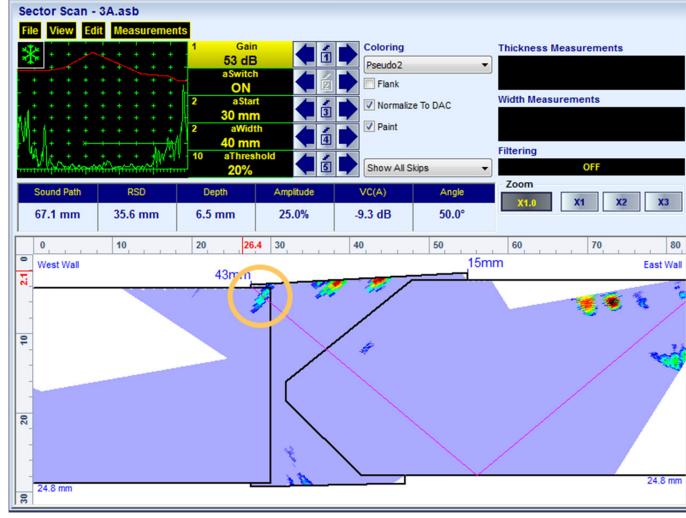




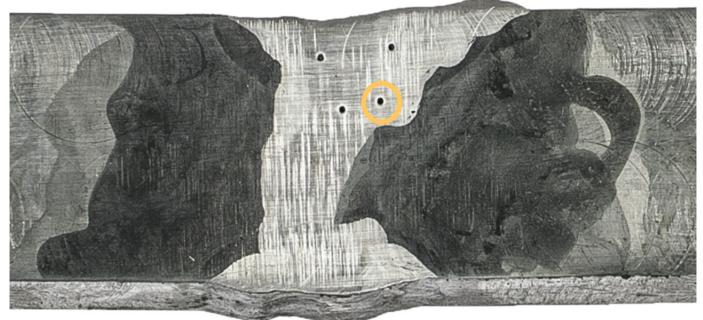


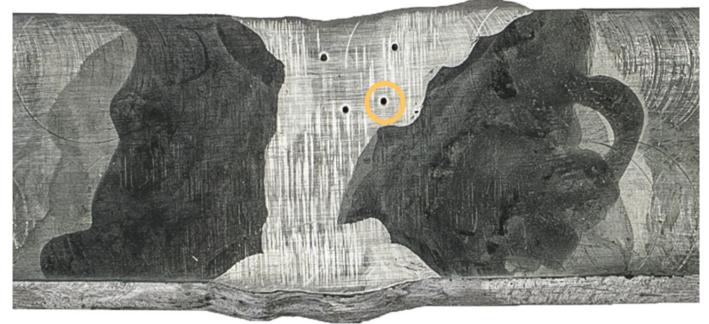


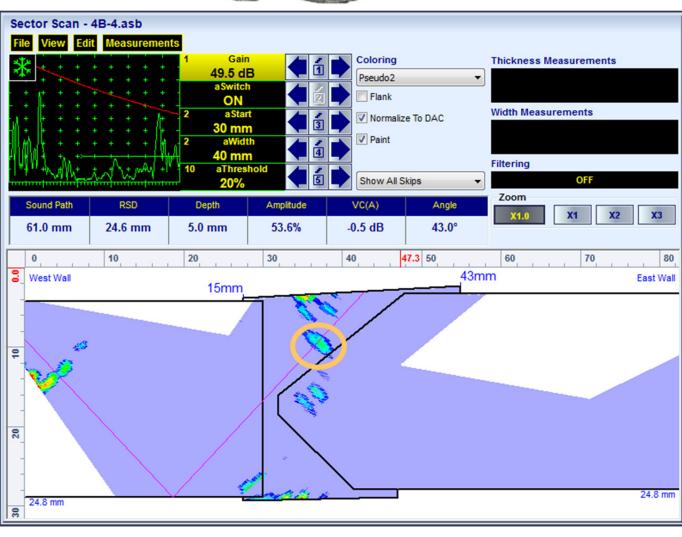


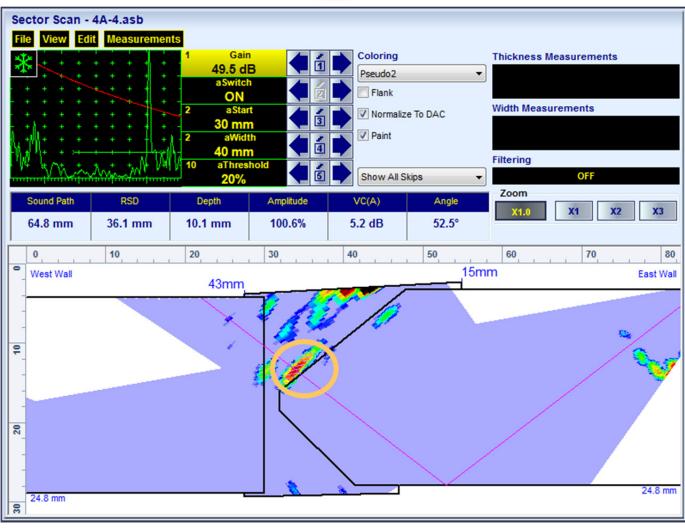








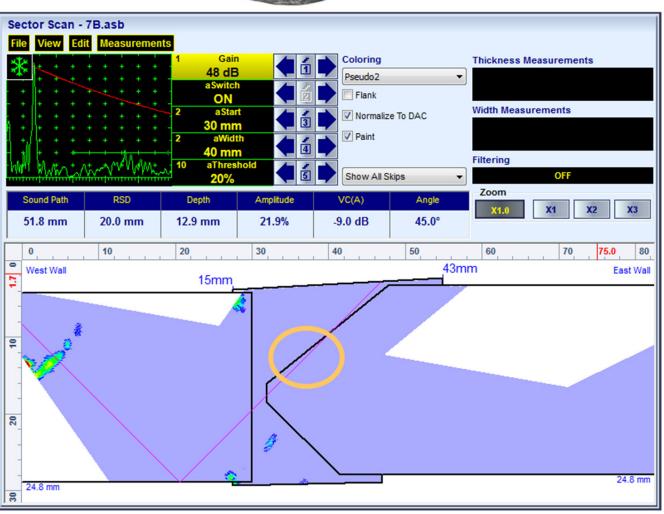


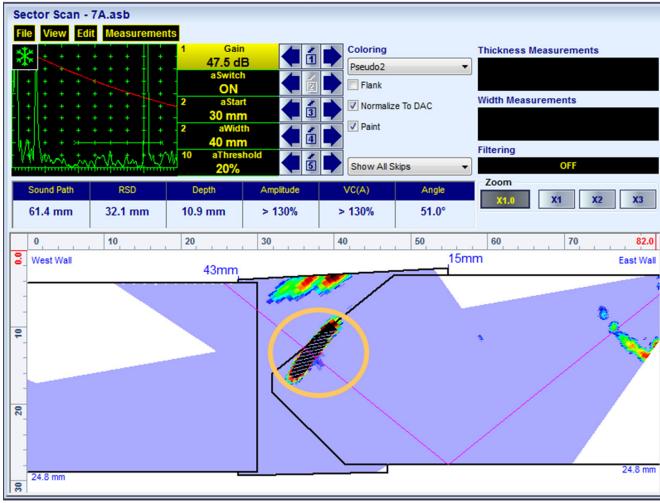






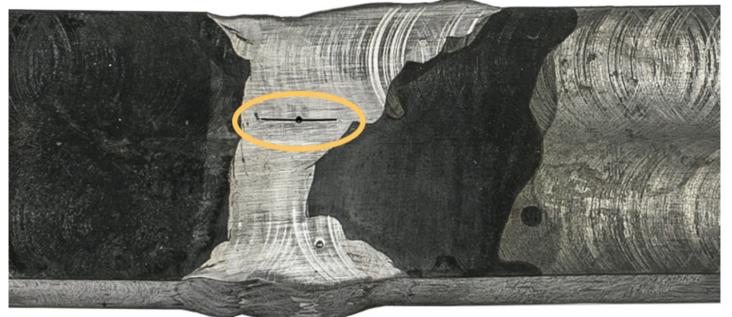


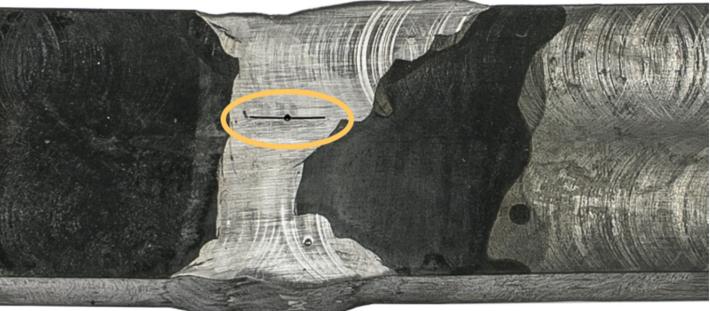


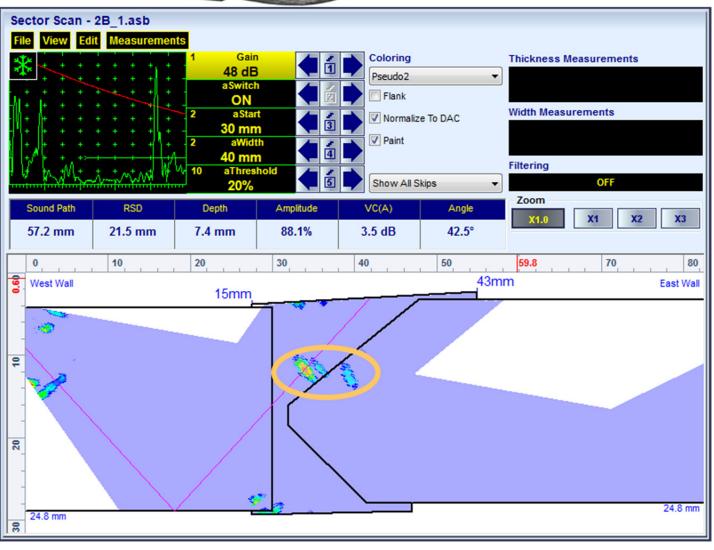


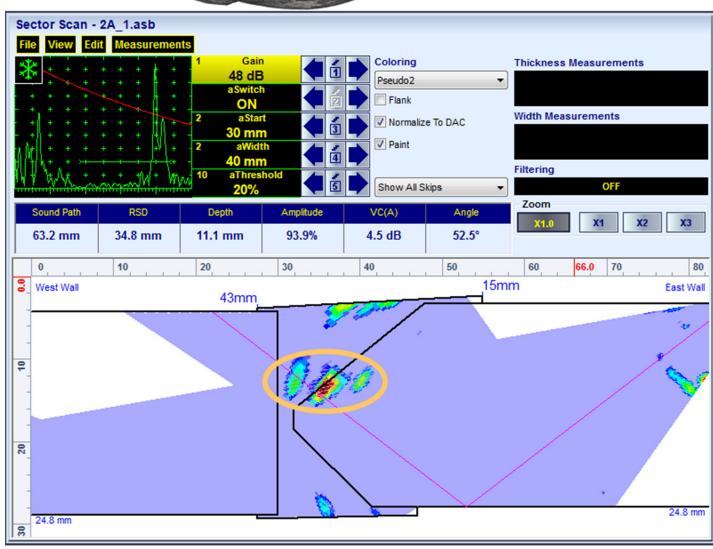


Horizontal Crack









Lack of Root Penetration

