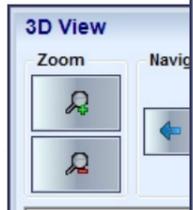
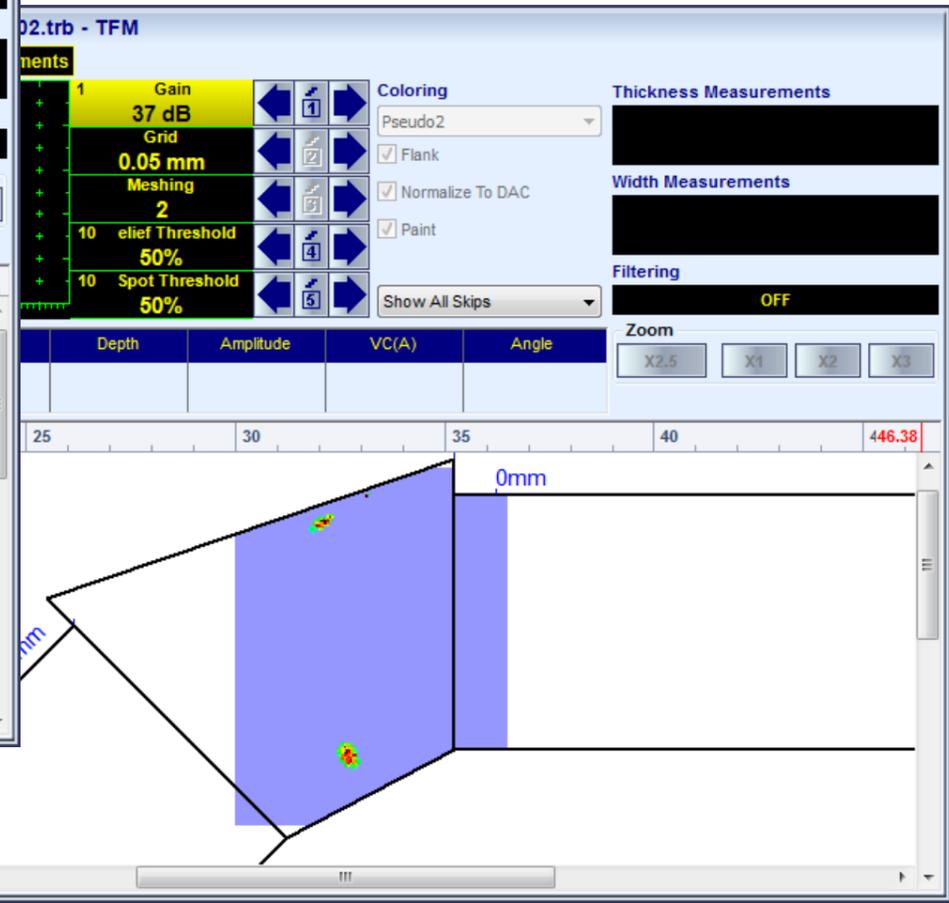
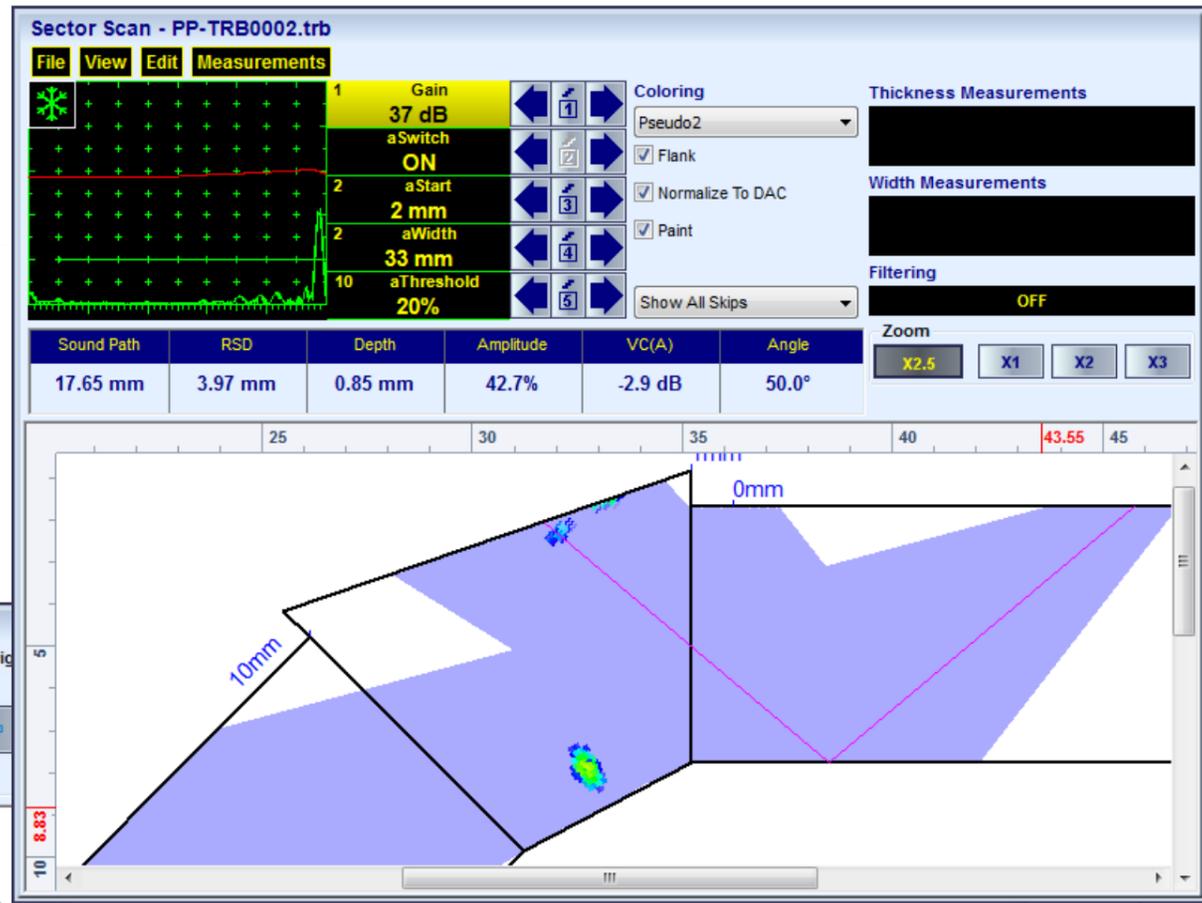
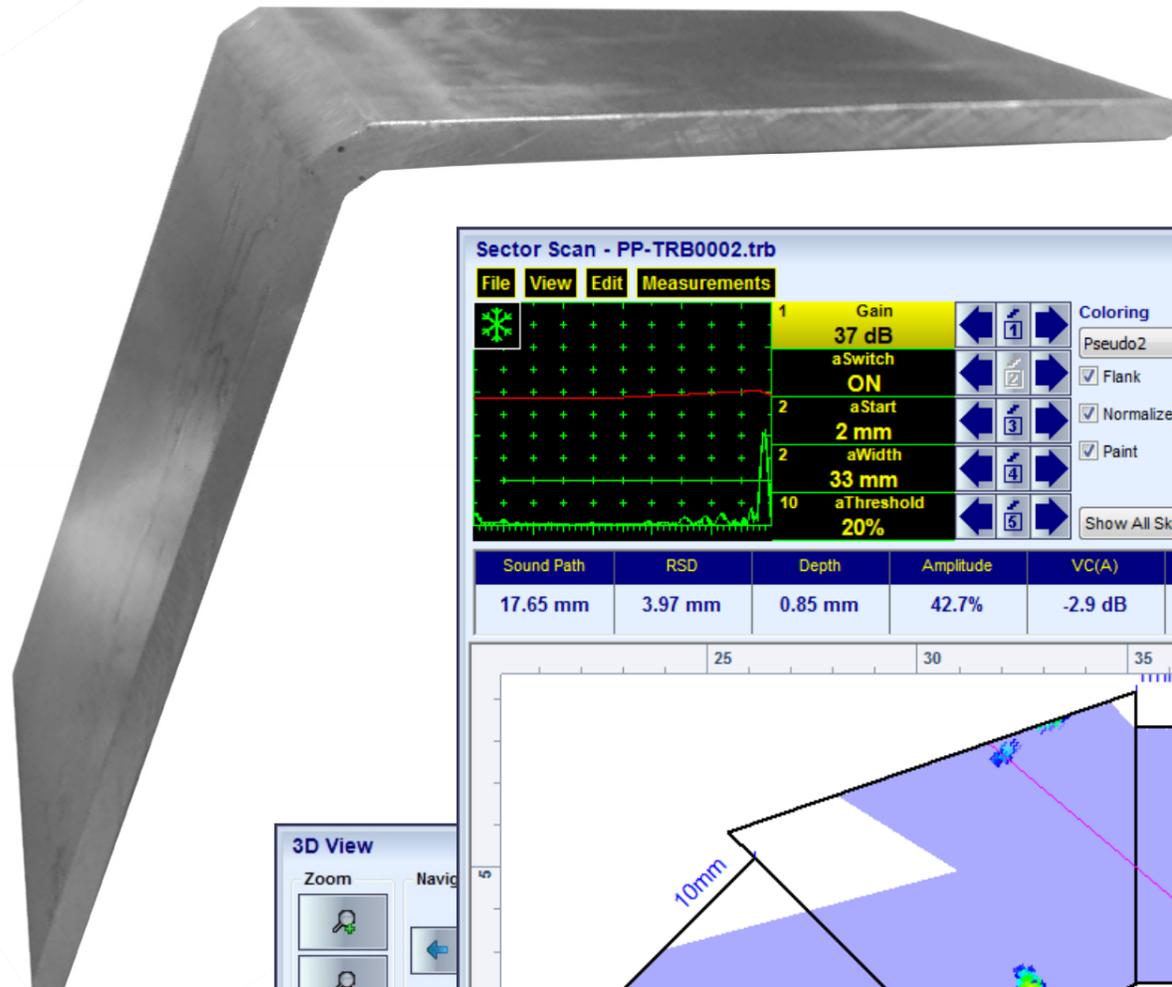


Item	Order Code (Part #)
Inspection SW Application for ISONIC 3510T, ISONIC 3510 - Phased Array Modality: Expert TRANSIT - Inspection of transition welds with symmetrical and asymmetrical bevel, unbeveled, misaligned, inclined welded parts	SWA 3510033
Inspection SW Application for ISONIC 2010 / ISONIC 2010 EL - Phased Array Modality: Expert TRANSIT - Weld Inspection - transition butt welds / girth welds	SWA 910833
Inspection SW Application for ISONIC 2009 UPA-Scope - Phased Array Modality: Expert TRANSIT - Weld Inspection - transition butt welds / girth welds	SWA 909833

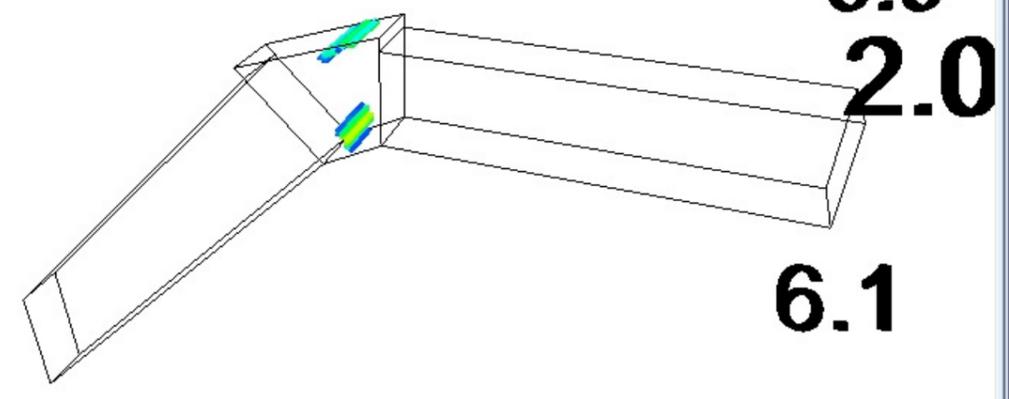
⇒ True-To-Geometry Weld Overlay Volume Corrected Imaging - Cross Sectional and Top (C-Scan) - / Side- / End- View and 3D
 ⇒ Sector-Scan and B-Scan (Linear Scan) Cross Sectional Coverage
 ⇒ Intuitive Image Guided PA Pulser Receiver with Beam Forming View
 ⇒ DAC / TCG Normalization
 ⇒ Built-In Weld Geometry 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 Creation of Editable Defects List
 ⇒ Automatic Creating of Scanning Integrity Report Upon C-Scan Acquisition Completed
 ⇒ Comprehensive Postprocessing 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 editing of Angle Gain Compensation / Gain per Shot Correction applied to the stored the Cross-sectional Views / C-Scan data
 → Numerous Filtering / Reject Options (by Geometry / Position / By Amplitude / dB-to-DAC / etc)
 → Defects Sizing
 → Automatic Creation of Defect List and Storing it Into a Separate File
 → Automatic Creating of Scanning Integrity Report
 → Automatic creating of inspection reports - hard copy / PDF File



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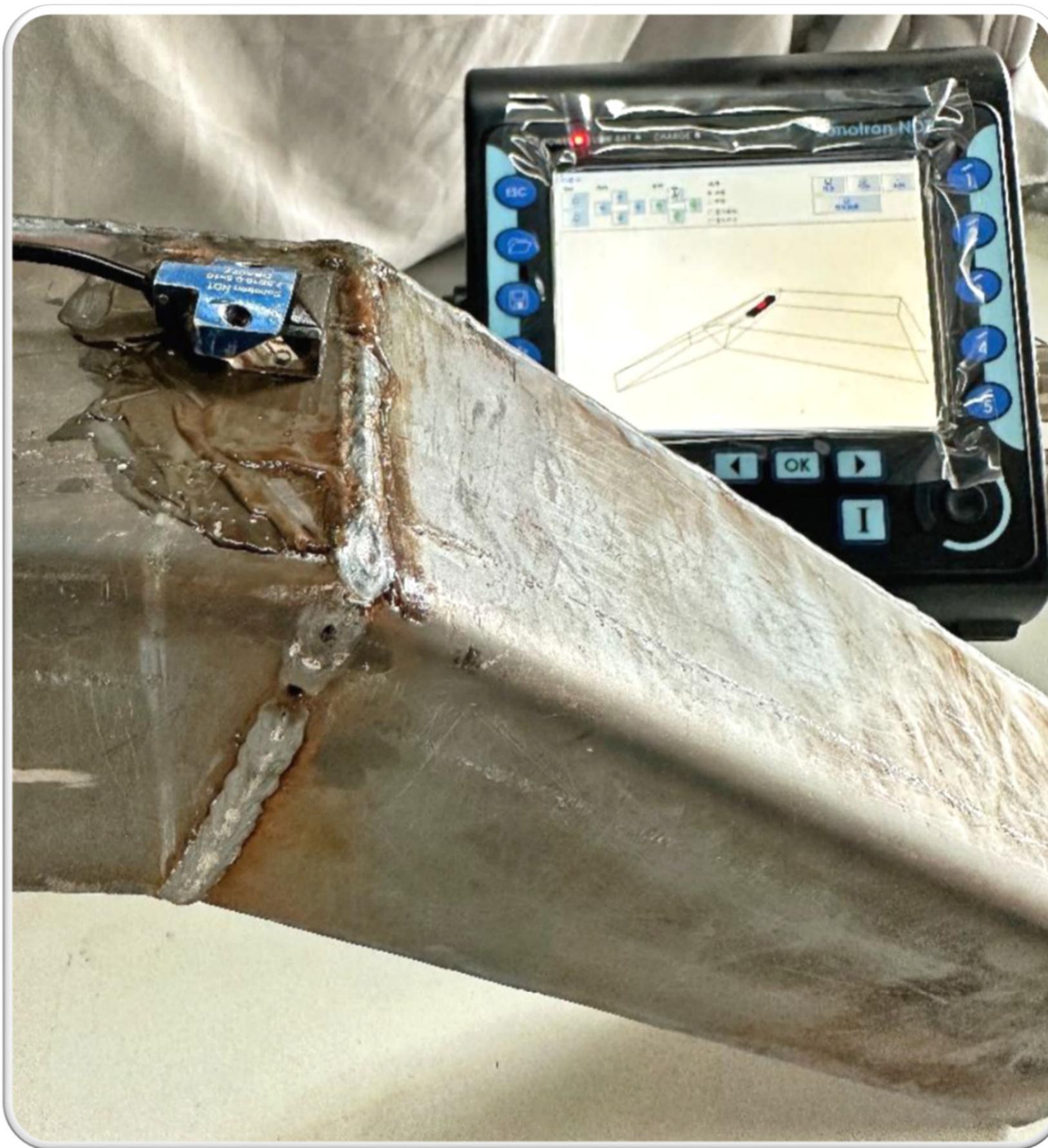




Rapid detection of fatigue cracks in the reducer welds



Transit weld – connection of pipe to the threaded terminal



Structural transit weld between thin wall rectangle cross-section profiles