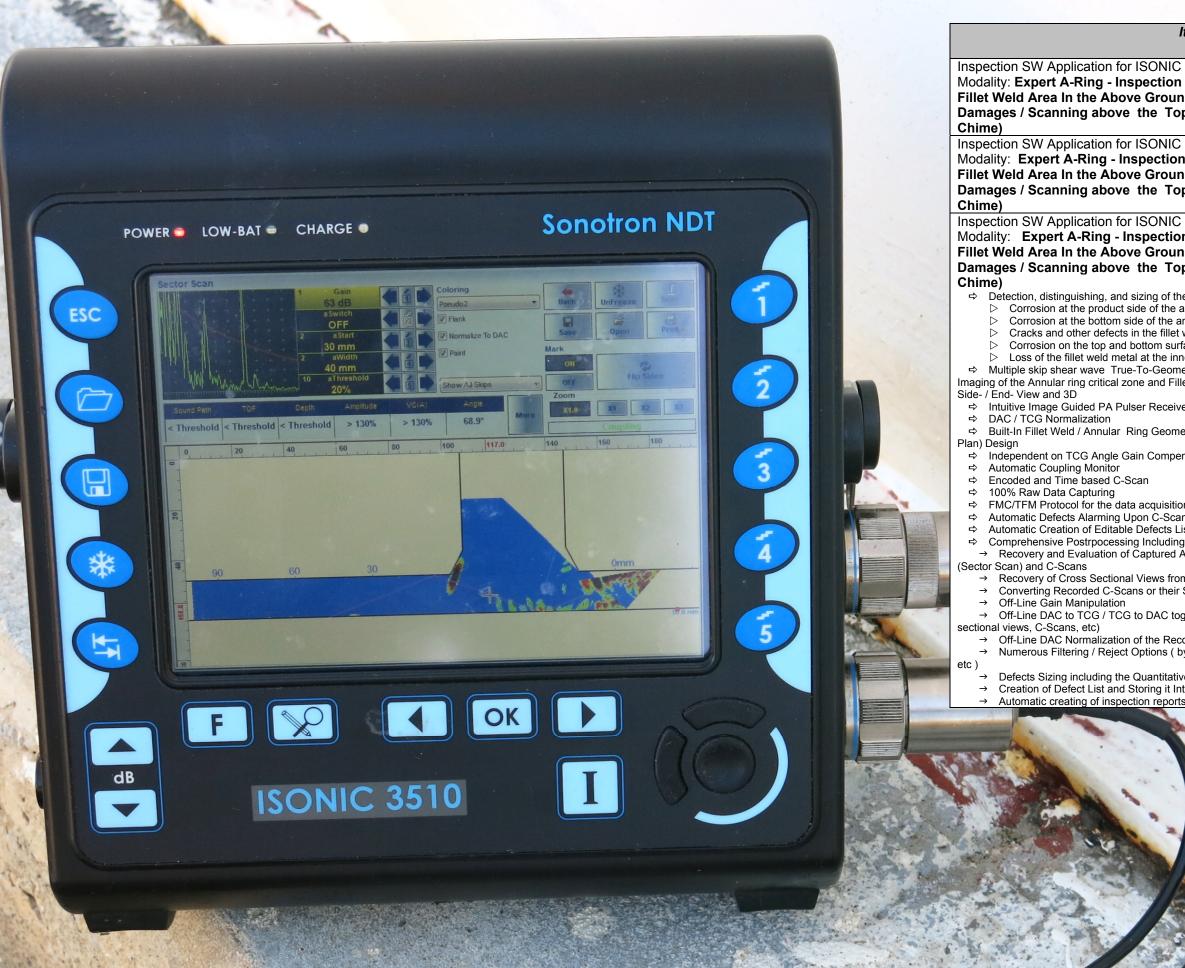
ISONIC EXPERT A-Ring - Multiple Skip True-to-Geometry Shear Wave S-Scan coverage: • detection and sizing of corrosion damages on both surfaces of annular ring plate in the critical zone and fillet

weld area

- distinguishing position of the damage either at the product side or soil side or in the weld
- recording and 3D Mapping
- measuring of material thickness loss MTL / remaining material thickness RMT







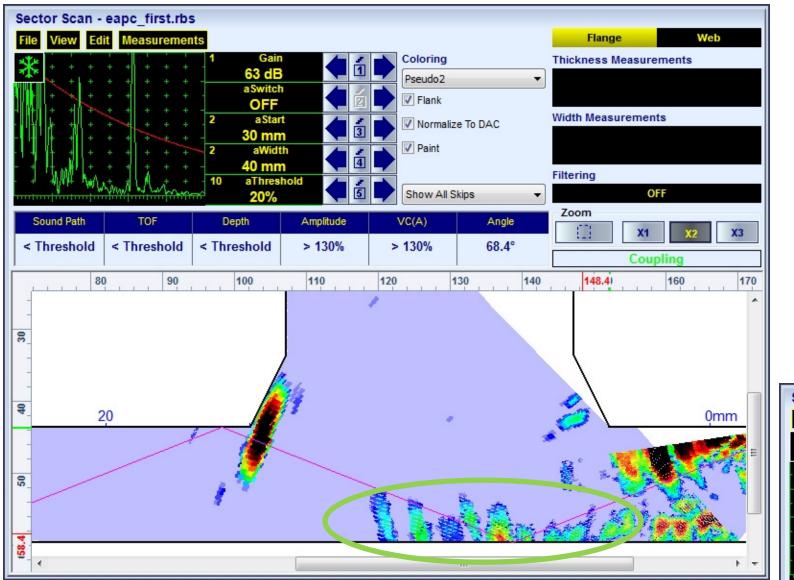


| Item | Order Code |
|---|-------------|
| | (Part ##) |
| C 3510T, ISONIC 3510 - Phased Array n of Annular Ring – Critical Zone and und Storage Tanks for Corrosion op Surface of the Protrusion (Outer | SWA 3510018 |
| C 2010 / ISONIC 2010 EL - Phased Array on of Annular Ring – Critical Zone and und Storage Tanks for Corrosion op Surface of the Protrusion (Outer | SWA 910818 |
| C 2009 UPA-Scope - Phased Array on of Annular Ring – Critical Zone and und Storage Tanks for Corrosion op Surface of the Protrusion (Outer | SWA 909818 |
| the following defects: annular ring annular ring at weld | |
| urface of annular ring under the tank shell / fillet weld nner side of the tank shell metry Sector-Scan Cross Sectional Coverage and "illet weld areas - Cross Sectional and Top (C-Scan)- / | |
| iver with Beam Forming View | |
| metry Editor and Ray Tracer - Scanning Pattern (Scan | |
| pensation / Gain Per Focal Law Correction | |
| tion and imaging can Acquisition Completed List ng: | |
| A-Scans from the Recorded Cross Sectional Views | |
| om the Recorded C-Scans ir Segments into 3D Images | |
| oggling for all types of stored files (A-Scans, cross- | |
| ecorded Images / DAC Evaluation by Geometry / Position / By Amplitude / dB-to-DAC / | |
| tive Evaluation of the Thickness Loss Into a Separate File orts - hard copy / PDF File | |

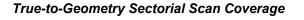








| File | Vi | ew | E | dit | Me | asu | irer | nent | S | | |
|--------------|----|----|------|--------|--------|------|------|------|----|------------------|---|
| st. | | | | | | | | | 1 | Gain | 1 |
| 7 1 P | + | | | | | | | | 1 | 63 dB | 1 |
| | 1 | + | 1 | | - + | - | - | 1 |] | Grid | 1 |
| | | | | | | | | | | 0.05 mm | 2 |
| | | No | | C.o.o. | n Ma | ark. | | | | Meshing | 1 |
| | | NO | TA-3 | sca | II MR | IIK | | | - | 2 | 3 |
| | | | | | | | | | 10 | Relief Threshold | 1 |
| | | | | | | | | | 4 | 32% | 4 |



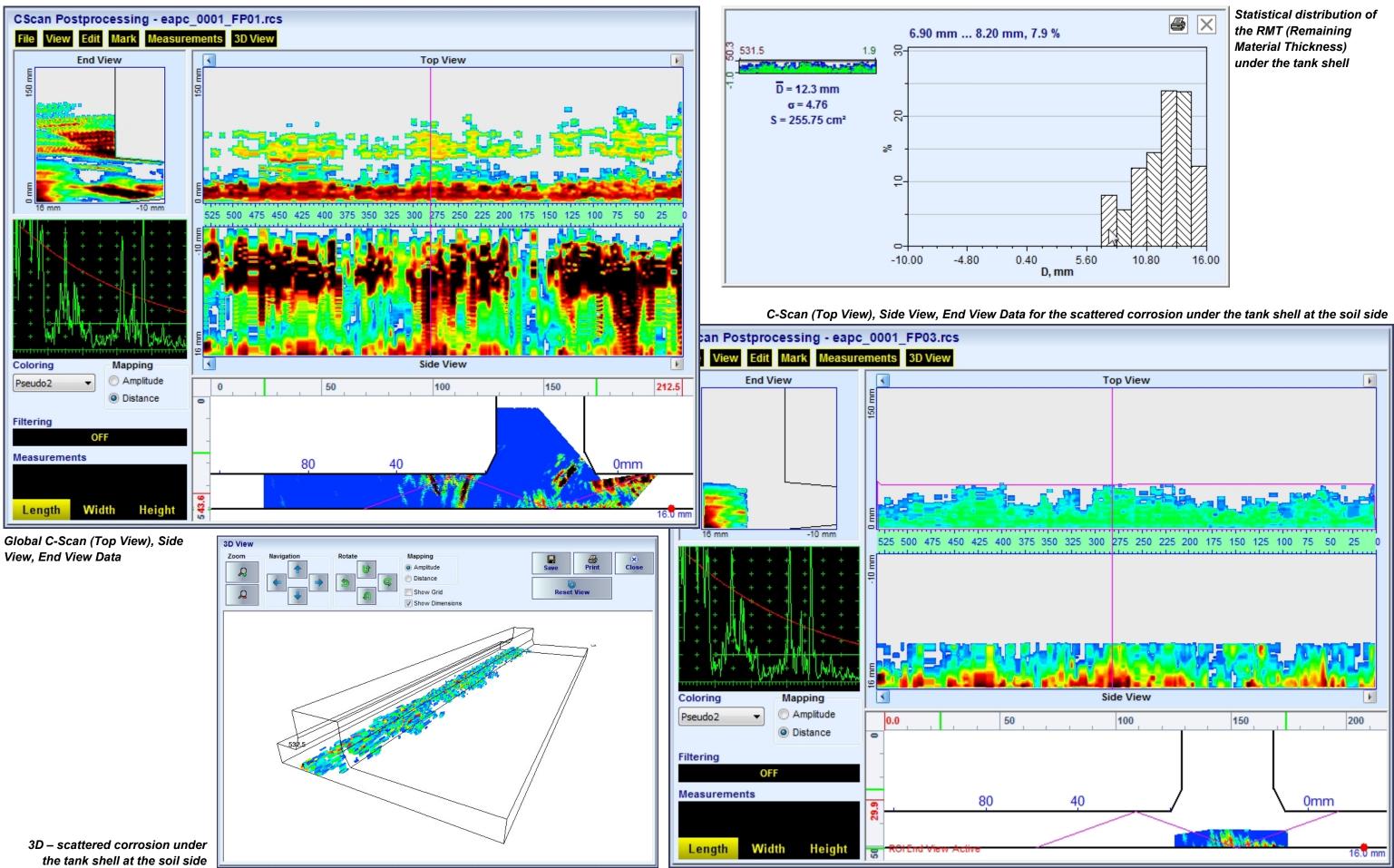




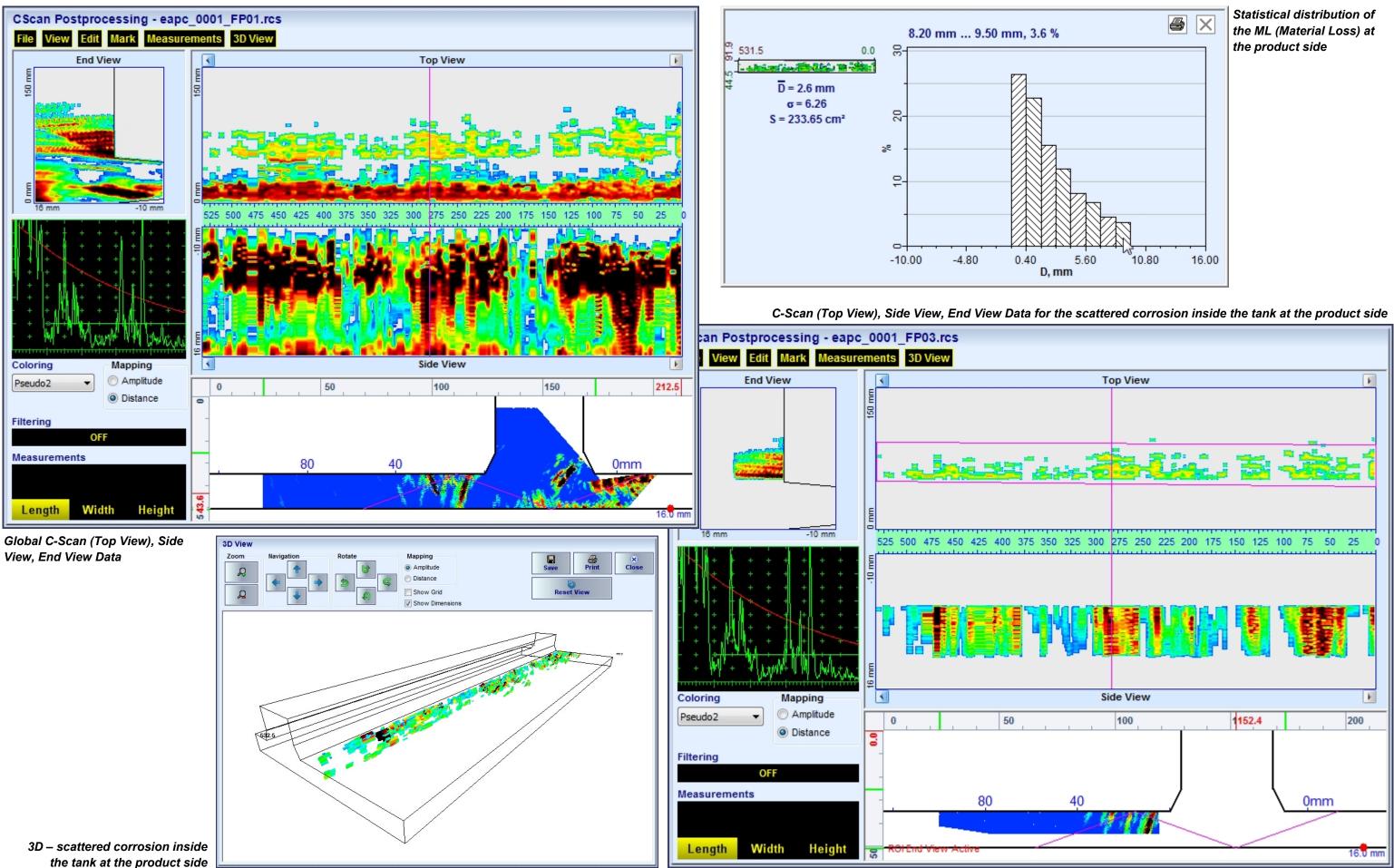
FMC/TFM Imaging and evaluation of the damage area



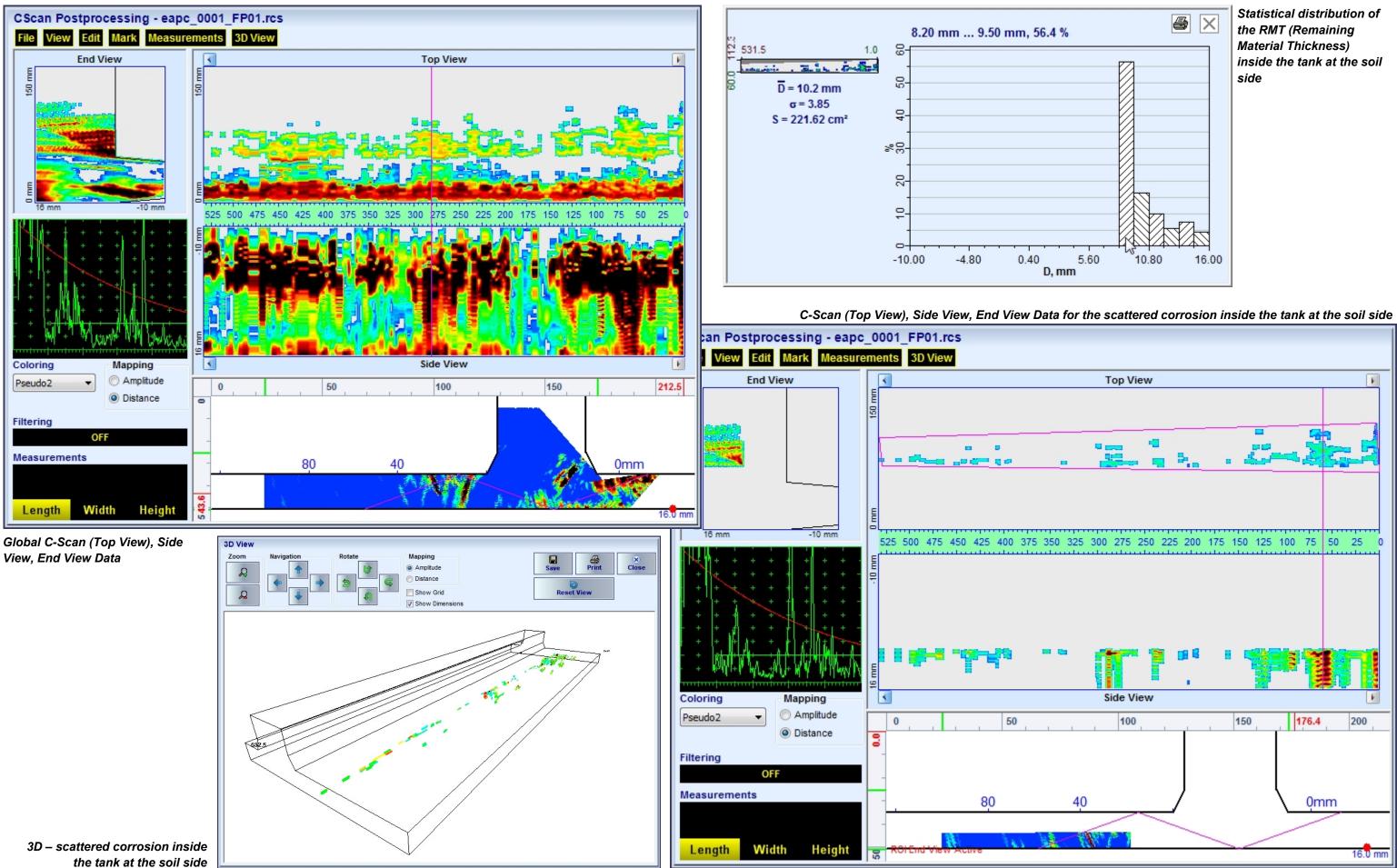












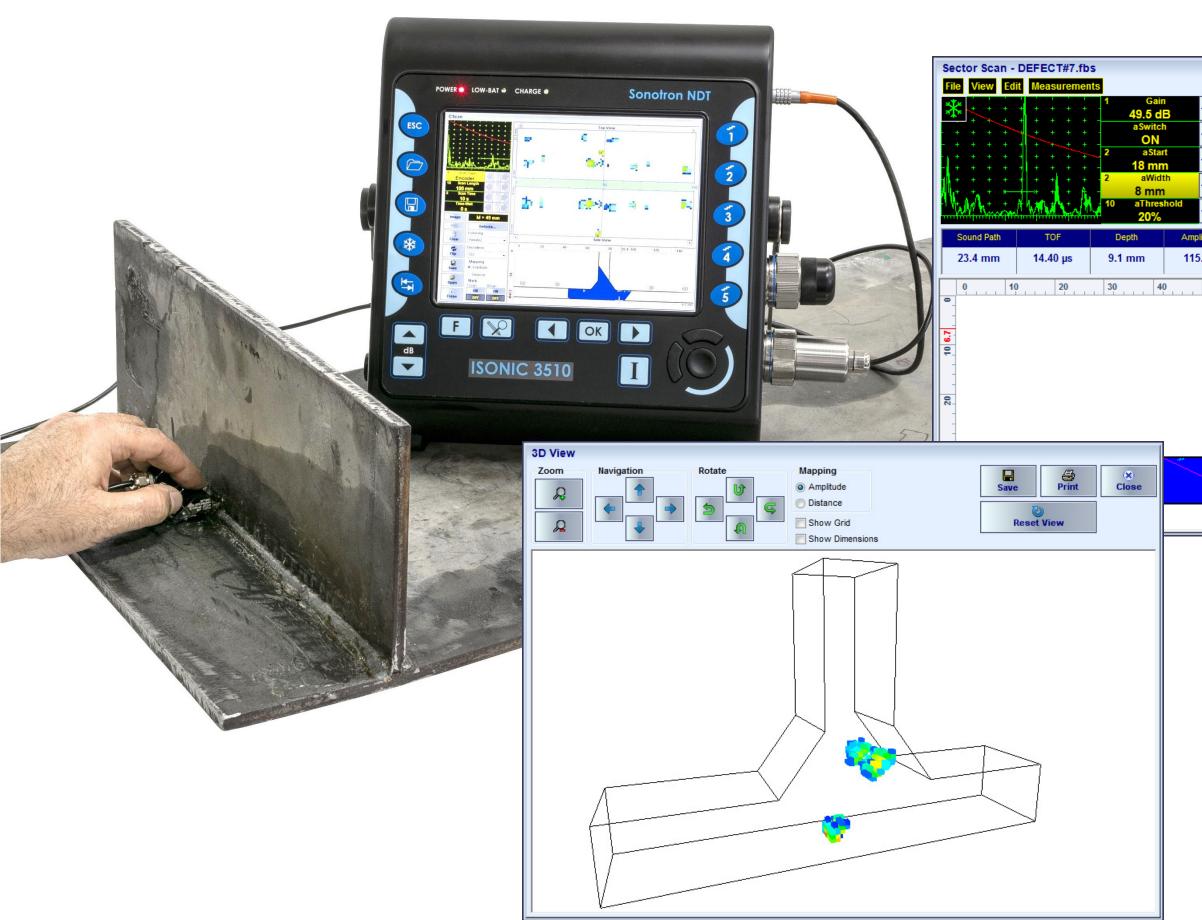
SONOTRON ND













| | Coloring Pseudo2 Flank Normaliz Paint Show All S | | Flange Web Thickness Measurements Width Measurements Filtering OFF |
|---------|---|--|--|
| plitude | VC(A) | Angle | Zoom X1.0 X1 X2 X3 |
| 5.9% | 4.6 dB | 65.0° | Coupling |
| 50 | . 60 . 74 | 0,,,,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0 | <u>90 . 110 . 110 116.920</u> - <u>20 -40</u> |
| | × | | 9.5 mm |



