



www.westechinspection.com

Multi-Channel Automated Ultrasonics

Westech Inspection, Inc. Provides Automated Multi-Channel Ultrasonic Examination for Weld Inspection, HIC/SOHIC, TOFD, and C-Scan corrosion mapping.

Multi-Channel Automated Scanning System

- Scan single or multichannel (up to 8 channels)
- Full waveform capture
- Record up to 12 gates per channel
- C-scan, B-scan, and end view displays are plotted w/ angle correction
- Combine data from both sides and different angles
- Weld geometry overlays facilitate analysis
- Displays are fully coordinated
- Displays are dimensionally correct
- Multiple Systems available for large projects
- Computer generated reports

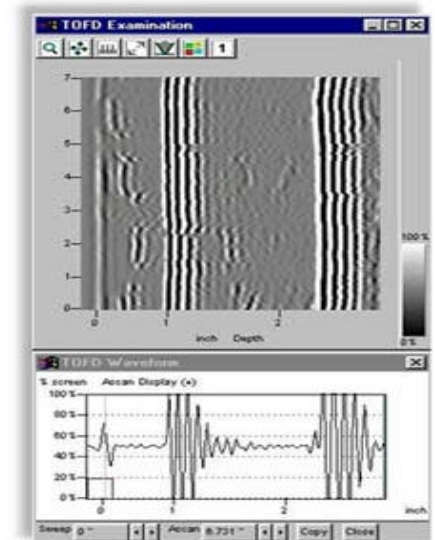
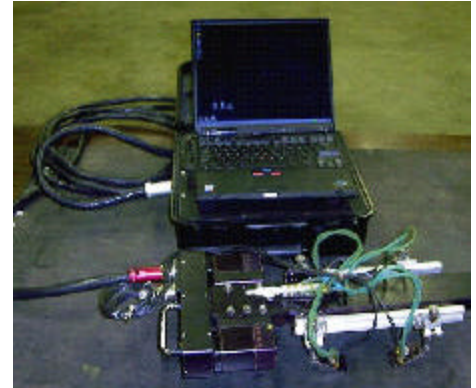
Ultrasonic Time of Flight Diffraction (TOFD) Technique

- Replace radiography for ASME Section VIII vessels
- 6 TOFD channels and 2 pulse channels, simultaneously
- Single pass examination for vessel welds
- Qualified for ASME Section VIII, Code Case 2235-5, welds up to 13.5 Inches
- Analysis and reporting software per Code Case 2235
- Qualification block design and fabrication
- Economical and field proven

Detection of Hydrogen-Induced Cracking (HIC)HIC/SOHIC

- Identify presence and extend of Wet Hydrogen damage
- Record and identify stepwise cracking due to stress oriented hydrogen induced cracking
- Fitness for Service evaluation services available
- Customized detailed, easy to understand reports
- Permanent recorded record for review and archiving

Multi-Channel Scanning System



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