



TOFD (Time-Of-Flight-Diffraction) Inspection Scanner

TOFD TECHNIQUE

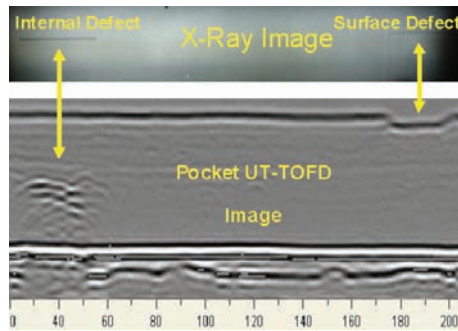
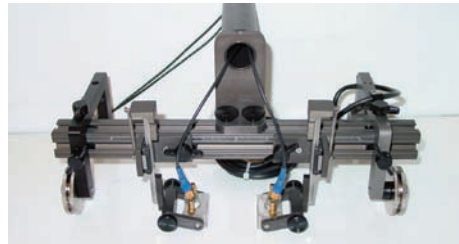
TOFD Inspection is an ultrasonic inspection technique used for the examination of heavy wall thickness welds on Pressure Vessels.

TOFD SCANNER

With our portable TOFD inspection system, you are able to view weld quality quickly, right in the palm of your hand.

The TOFD Scanner positions two angle beam transducers facing each other to transmit and receive the diffraction of ultrasonic waves generated in this technique allowing the user to view weld quality quickly. This highly efficient hand-held inspection scanner needs only one person to operate and is sensitive enough that an external preamplifier is not even needed.

Used with our Pocket UT™ battery-operated, hand-held, stand-alone, full C-Scan acquisition system you can display the TOFD scan, store and measure indications in terms of height (through thickness weld), length and position. The B-Scan image best represents the real-time data captured for evaluation.



Comparison of Weld Crack Inspection with X-Ray and Pocket UT-TOFD

For more information:

Please call 1-609-716-4000 or visit us on the web at www.mistrasgroup.com.

Features & Benefits:

- High POD (Probability of Detection)
- Handheld Magnetic Wheel Scanner
- Touch Screen Operation
- Displays Results in Multiple Languages
- Auto Data File Saving
- Easily Adjustable PCS (Probe Center Separation)
- Easily ports to UTwin Advanced Weld Inspection Technique for Defect Sizing and Visualization

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