



Advanced NDT Solutions



IMMUSCO has an extensive range of Advanced Non Destructive Testing solutions

IMMUSCO cerified personnel have the skills and years experience to provide high quality advanced non-destructive testing services

We can help you

- Scientific Solutions
- Consultancy in Advanced NDT
- Inspection Services

State-of-the-Art Technologies



Phased Array Ultrasonic Testing

PAUT has ability to store full inspection record. The visual display of combined A- Scan, B-Scan, C-Scan and S-Scan gives simplified understanding of flaw type and associated dimensions.



TOFD

Time of flight diffraction is differ from usual pulse echo ultrasonics as it relies on diffracted energy instead of reflected energy. This solution best replaces the Radiography.



Eddy Current

This technology is based upon the principles of inducing an electromagnetic field into a part. This solution use for the detection of surface connecting flaws.



Positive Material Identification

X-ray fluorescence spectrometry is a elemental analysis based on the principle that individual atoms ,when excited by external energy source, emit X-Ray photon of a characteristic energy. The element present can be identified.



Coating Measurement

38DL Plus offer easy to read digital display of coating thickness and dry film thickness measurement.



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Inspection Applications

PAUT & TOFD

- Rapid inspection of weld seam
- ASME B&PV Code Section VIII (Pressure Vessel)
- Complex Geometry Scanning
- ASME B31.3 & B 31.1 (Piping)
- AWS D1.1 (Structure Integrity)
- Corrosion Mapping

Eddy Current Testing

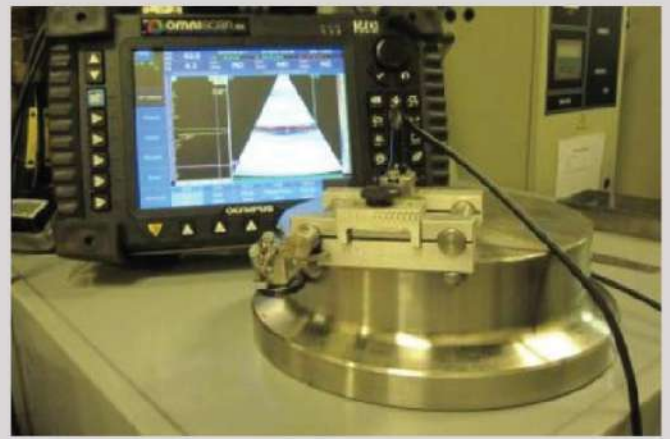
- Magnetic Flux Leakage
- Internal Rotational Inspection Systems
- Near Field Leakage

Tubing and Wire Testing

- Condenser Tube Inspection
- Coating Thickness Measurement
- Weld Inspection
- Crack Detection

Positive Material Identification

- Material Identification
- Material Composition



Codes & Standards for Advanced NDT

IMMUSCO operates an ISO 9001:2015 Quality management system with full traceability to all aspects of our services.

SNT-TC-1A CP-189

EN 1711

ASME B&PV Code Section VIII (Pressure Vessel) ASME B31.1 & B31.3 (Piping)

AWS D1.1 (Structure Integrity)

Commercial Benefits

Your Problem

PAUT over conventional Ultrasonic

TOFD in lie of RT

Health of Heat exchanger and Tubing

Our Solution

IMMUSCO has advanced ultrasonic phased array equipment to inspect large volume of weld and material from a fixed location. The visual display combined A-Scan, B-Scan, C-Scan and S-Scan gives a simplified understanding of flaw type and associated flaw dimensions

IMMUSCO use TOFD as an Advanced NDT inspection solution enables crack size to be measured more accurately. This technology is a best replacement of Radiographic Testing

IMMUSCO has complete tubing inspection for heat exchanger tubing, Fin fans, Boiler tubing and Internal rotating inspection system.



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