

NDTS[®]
An ISO 9001:2015 Certified Company



ADVANCE NDT SERVICES

About Us

NDTS India was established in 2006 with a motive to build a professionally managed enterprise dedicated to the challenging field of Non-Destructive Testing (NDT) & Evaluation. Today, we are an ISO 9001:2015 certified company offering 24/7 on-site Advance NDT Services by deploying world-class equipment's with trained manpower as per various affiliations (ASNT, ISNT, ISO etc.).

At NDTS India, we constantly endeavour to fulfil our customer's varied inspection needs and are deeply committed towards surpassing their expectations. We value and cherish their valuable suggestions and assistance. By virtue of our focus, core competence, a committed team of professionals and our unrelenting quest for excellence, we are fully geared to meet current and future challenges.



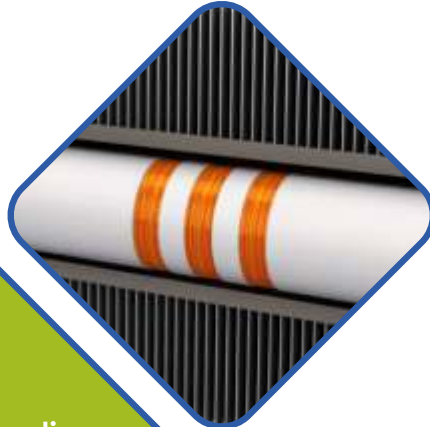


- Shell to Dish End Joints
- Circular Seam & Long Seam Welds, Joints, T-Joints
- Category D Joints / Pressure Part, Weld-o-lets, etc.
- SS & AS Cladded plate Joints
- Structural Welds, Knuckle joint, etc.
- Boiler Weld Joints (Dia. 1.5" – 4")

**Weld Inspection by
Advance Ultrasonic
(PAUT, TOFD)**

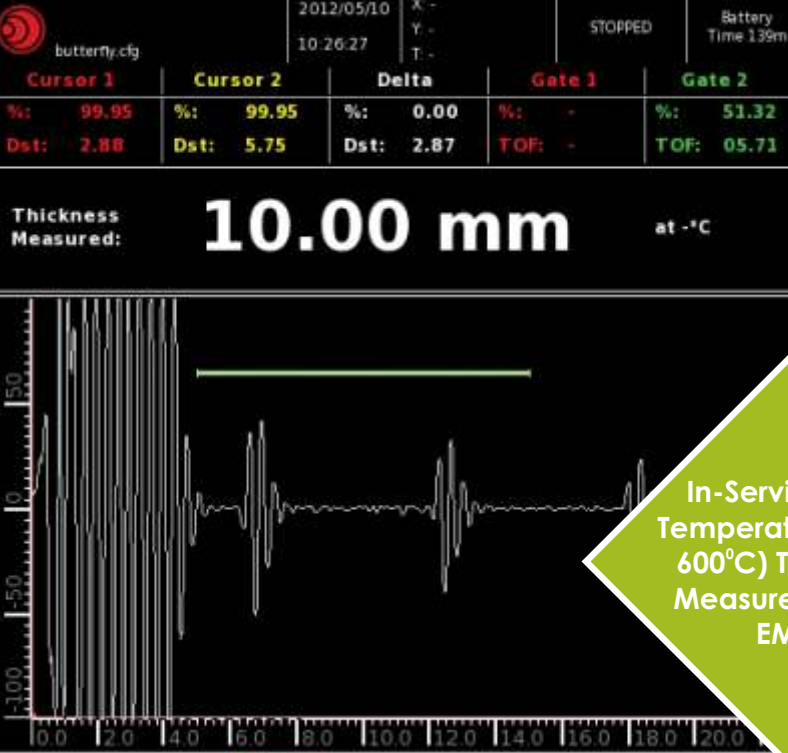


- Condensers & Evaporators –(MOC: CS, SS, Ti, Cu-Ni, etc.)
- Air Finned Condensers tubes.
- U – Bend Tube Heat Exchangers
- IRIS for Tubes (Up to 3")
- Eddy Current Array – For more probability of defect detection
- Surface Eddy Current for hairline cracks & minute surface defects



**Tubular Inspection
by ECT, REFT, NFT,
ECA, MFL, IRIS**





- Convection heater coils, process pipelines, reactor vessels & mounted bullets
- Distillation columns & dryers
- EMAT is accurate to 12.7µm (0.0005") with a resolution up to 3mm.
- Capable of temperatures from -30°C to 650°C with no active cooling.
- Ferromagnetic and non-ferromagnetic metals, including carbon steel, aluminium, copper and brass.

In-Service High Temperature (up to 600°C) Thickness Measurement by EMAT



- Rare Chances of missing defects compared to conventional spot thickness gauging
- Couplant free inspection , Minimum surface preparation
- +/-0.127mm thickness accuracy
- Trending analysis by super imposing the thickness readings on base line data
- Thickness measurement is possible on tubes having heavily pitted non parallel walls
- Scanning speed : 500mtr – 700mtr in 8 Hr. shift (depending on accessibility)



Boiler Water Wall Tube Inspection by EMAT





Corrosion Mapping/ Defect Detection of Field Pipelines (4", 6" & 8") by Intelligent Pigging

- Field pipelines of oil gathering
- Reservoir pressure maintenance system
- Products pipeline, Field gas pipelines, distribution gas pipelines
- Intelligent pigging (EasyPig) detects defects such as metal loss, corrosion defects, pinholes on the inner and outer surface of the pipeline wall
- Defects in welds (lack of penetration, inconsistencies)



Visual Inspection of Tubes, Vessels & Pipelines by Specialized Cameras



- Sea Water Lines, Cooling Water Lines, Process Pipelines
- Refractory Lining – Cyclone
- Weldolet (Weld Root Fusion)
- Heat Exchanger Tubes
- T-G Lines, Boiler Header, Boiler Tubes
- Gear-Box, Compressors, Turbine blades condition monitoring, Suction & Discharge Lines
- Small Storage/Process Tanks



- Hot & Cold Insulated Line (Temp : +550 to -33 deg. Cel.)
- Horton Sphere legs
- Insulated Vessels & Reactors
- Insulated Chilled Water Lines
- Column Skirting
- Jetty Pipelines & Structures

CUI (Corrosion Under Insulation) by PECT

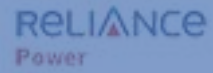
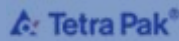


- Magnetic Flux Leakage based Inspection to Detect
- Local Flaw (LF) : Broken Wire, Corrosion Pit, Rope Core Cracking, etc
- Loss of Metallic Area (LMA) : Volumetric Defects, Abrasion Loss, Loss due to Fatigue, Corrosion Loss, etc
- More reliable and confirmatory over traditional rope discard criteria as it can detect defects at core and blind zones
- Inspection Speed 4 m/s
- Minimal cleaning / surface preparation of rope required as it can negotiate dust and lubricant present over the rope
- Battery Operated setup, thus easy mobility at remote locations

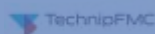
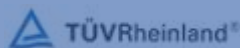
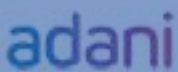


Wire Rope Testing by Magnetic Flux Leakage





Valued Customers





NDTS[®]
NDTS India (P) Limited

619 & 620, The Great Eastern Galleria, Plot No. 20, Sector 4, Nerul, Navi Mumbai 400 706
T: +91-22-6138 0600, 2770 3913/23 | E: info@ndts.co.in | W: www.ndts.co.in