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.
Weld Inspection by Advance Ultrasonic (PAUT, TOFD)

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

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, RFET, 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 -30ºC to 650ºC with no active cooling.
- Ferromagnetic and non-ferromagnetic metals, including carbon steel, aluminium, copper and brass.

**Boiler Water Wall Tube Inspection 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 superimposing the thickness readings on baseline data
- Thickness measurement is possible on tubes having heavily pitted non-parallel walls
- Scanning speed: 500mtr – 700mtr in 8 Hr. shift (depending on accessibility)
- 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)

- 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**