

OUR PRODUCT

- ECT Probes
- IRIS Turbine / centring device
- RFT Probes
- TUD cables
- Calibration tubes
- V1 Blocks
- V2 Blocks
- Step gauge
- DAC / TCG blocks (SDH / NOTCHES)

OUR CLIENTS



Tube Engineering



CONTACT US

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TUBE INSPECTION TECHNOLOGY

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ABOUT US

TIT is an Advanced inspectionsolutions,Givingexcellent NDT inspection services throughout the world with skilled and experienced Technicians in accordance with the all industrial standards Since 2016.

OUR SERVICES

ADVANCED ULTRASOUND INSPECTION

- Phased Array Ultrasonic Testing (PAUT) is an advanced UT technique using the pitch-catch method. It employs multiple elements in a single row that combine to form plane waves, creating a directed sound beam. This enables faster, easier inspection with recordable data for future reference and investigation.
- TIME OF FLIGHT DIFFRACTION (TOFD) is the Advance UT technic works in tip diffraction wave method which needs two side accessible for placing transmitter and receiver probe . It is mostly use for accurate sizing of the flaws in combine with PAUT in weld joints inspection.



TUBE TESTING

- EDDY CURRENT TESTING (ECT) is to detect surface and sub surface flaws in conductive material by using eddy current / induced current . In this method AC current excited with ECT probe which produce eddy current in the testing material which cause change in amplitude and phase in case of defects which can be detect by change in impedance in coil.
- Remote Field Testing (RFT) is to detect flaws using low frequency AC current which excited by transmitter coil and receives through a receiver coil . In case of defects in testing material can cause greater phase and amplitude which can be found by digital signals . But in this method we can find the defects but can't be seperate it wether the defects are at ID or OD .
- Magnetic Flux Leakage(MFL) is to detect ID pittings and corrosion by using strong magnetic field excited by the probe, which shows flux leakage if there is metal loss are cracks I the testing material
- Near Field Testing (NFT) as the name it can be used to find ID defects . It is the special method to inspect fin fan tubes because of its limited surface penetration there will not be any interference of fin fan tubes geometry signals while analysing.

- Internal Rotary Inspection System is accurate Tube inspection method which works by exciting the ultrasound in spiral form by using rotar in front of the probe. It can be used both ferrous and non ferrous material.

TRAINNING

- PAUT
- TOFD
- TUBE INSPECTION TESTING (ECT,IRIS,RFT&MFL)
- Conventional Method
(PT,MT,RTFI & UT {weld scanning 3.1;3.2})

EQUIPMENT RENTING

- Olympus MX2 (PAUT +TOFD)
- Olympus MS 5800 (ERIU)

