



PALLAKKI

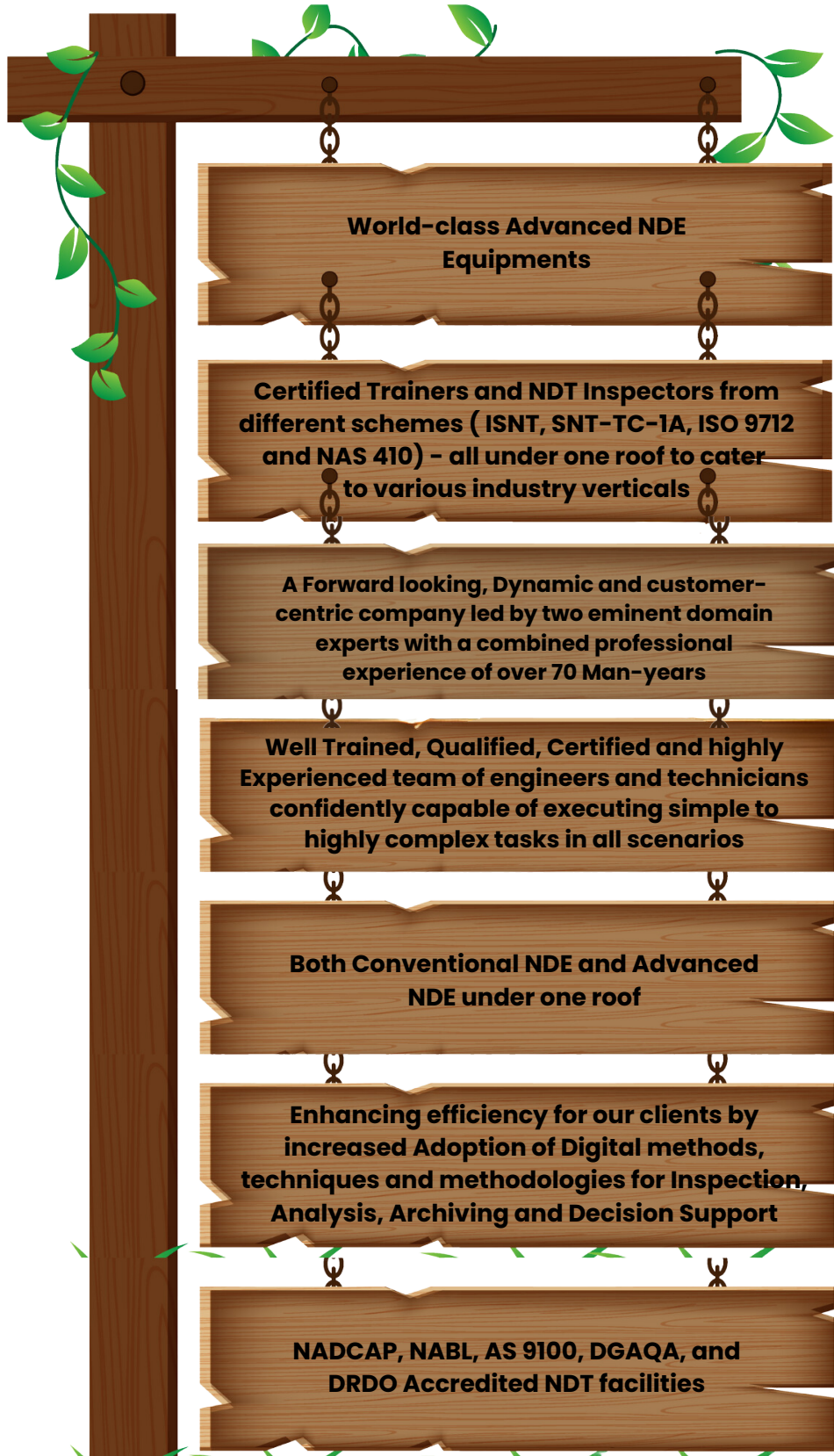
NDT EXCELLENCE CENTER PVT LTD

NADCAP, NABL & AS9100 Accredited Company.

GST NO : 29AAJCP7700L2ZX

Address: No - 411/A, 11th cross, 4th Phase, Peenya Industrial Area, Bangalore-560058, Karnataka, INDIA
Web site: www.pallakkindt.com

7 Reasons to choose Pallakki NDT



MANAGEMENT TEAM



SASHIDHAR P. PALLAKKI
Director & CEO,

ISO 9712 Level III in UT, RT, MT & PT
 ISNT Level III in ET, VT, UT, RT, MT & PT
 ASNT Level III in ET, VT, UT, RT, MT & PT
 NAS 410 Level III in PT and MT

Shashidhar P Pallakki. Director for Pallakki NDT Excellence Center Pvt Ltd. Pallakki NDT Excellence Center is a NADCAP, NABL accredited, and AS-9100 Organization located in Peenya, Bangalore catering to NDT services to many Organizations like BEML, HAL, NPCIL, VSSC, L&T, DRDO, LPSC, etc. 28 years of experience in different NDE methods as an NDT service provider of various industrial backgrounds like Petrochemicals, Heavy Engineering, Fabrication, Forging, Foundry, Aerospace etc. Conversant with many International Codes, Standards, and Specifications like ASME. ASNT, AWS, BS E ISO, ANSI, API, etc...

Currently as an independent NDE service provider for various methods to different customers like IOCL, BEML, L & T. NPCIL, Rail wheel Factory, VISL, etc. Trained more than 3000 NDE personnel for various methods like PT, RT, UT, MT, VT, and ET through our Pallakki NDT



DR SHYAMSUNDER MANDAYAM
Professional Director

A former Senior Scientist at IGCAR, Kalpakkam and a Principal Scientist at GE Research, Bangalore, he obtained his B.E (Metallurgy) from MS University Baroda and a Ph.D from IIT, Kharagpur. He is a certified ASNT NDT Level 3 in MT and ET. He is a 40 years experienced researcher, technologist and trainer with a deep domain knowledge in conventional and advanced NDE. He is involved with NDT training for Level 1, 2 and 3 for several methods over the last three decades for different certification schemes. He is credited 14 patents and 200+ papers in various journals, books and proceedings and has delivered 100+ invited talks. He has received several prestigious awards like the ISNT National NDT award for R&D, GE India's JRD Tata award for Excellence, GE Whitney award and several others. He is a Honorary Fellow of ISNT and a Life Member of ASNT, MSI, AMSI, InSIS.

ABOUT PALLAKKI NDT

Pallakki NDT Excellence Center Pvt Ltd is NADCAP and NABL-2017 Accredited, AS 9100-2016, ISO 9001 - 2015 Certified and DGAQA approved company in NDE services. It was established in the year 2001 to provide quality and reliable NDT services on time and also impart quality training in the related field.

Pallakki NDT Excellence Center Pvt Ltd is proud to be the best NADCAP Accredited Aerospace NDT lab in Bangalore-INDIA and NABL -2017 accredited NDT Lab in Bengaluru-INDIA also providing ANST NDT Level II Training, NDT Level III Consultancy and Aerospace NDT Services among Top NDT Companies based in Bangalore-INDIA. Rendering the services throughout INDIA, through a team of highly qualified, certified and devoted professionals having substantial experience with vast multi-disciplinary background and with world class NDE equipment and accessories.

Pallakki NDT Excellence Center Pvt Ltd has served and satisfied more than 200 plus reputed customers like NAL, HAL, ISRO, BEML, BEL, NPCIL, DRDO, ADA, NAMMA-METRO, GE, RAILWHEEL FACTORY, SOUTH WESTERN RAILWAY etc., by our professional and dedicated approach. We have ambitious plans to meet the ever-increasing demands of the market by bringing in large and reputed clients to our fold and are continuously gearing up to take formidable new challenges in various sectors like Aerospace, Automobile, Earthmoving, Petro chemicals, Oil & Gas, Process Industries like Foundry, Forgings and Fabrications. Pallakki NDT Excellence Center Pvt Ltd providing ASME U Stamp and ASME U2 Stamp NDE Consultancy since last 15 years in INDIA. PALLAKKI NDT EXCELLENCE CENTER PVT LTD have NADCAP accredited word class NDT facilities in FPI-Aerospace and MPI-Aerospace and NDT lab in NADCAP Accredited NDT Lab list.



WHY TO CHOOSE ADVANCED NDE

Advanced Non-Destructive Evaluation (NDE) techniques are essential because they offer enhanced capabilities in inspecting and assessing materials and structures. Traditional NDE methods have limitations in terms of sensitivity, speed, and accuracy, which can lead to undetected defects and increased safety risks. Advanced NDE techniques, such as phased array ultrasonics, eddy current arrays, and digital radiography, provide superior precision, quicker results, and the ability to examine complex structures.

Traditional NDE methods, while valuable, are associated with several significant challenges:

- **LIMITED SENSITIVITY** : Traditional methods like visual inspection or simple radiography can miss subtle defects, leading to false negatives and potential safety risks.
- **INCOMPLETE COVERAGE** : Many traditional NDE methods are single-point or line scans, which can result in inadequate coverage, especially for large or complex structures.
- **HUMAN ERROR** : Human interpretation is often required, introducing subjectivity and the possibility of operator error. This can lead to inconsistencies in inspection results.
- **TIME-CONSUMING** : Some traditional techniques are time-consuming and may require prolonged equipment setup, causing downtime in industries that demand continuous operation.
- **LIMITED DATA RECORDING** : Older methods may lack the ability to store inspection data digitally, making it challenging to track changes in material conditions over time.
- **ENVIRONMENTAL CONSTRAINTS** : Traditional NDE methods may have limitations when dealing with adverse environmental conditions, such as extreme temperatures or restricted access areas.
- **INCOMPATIBILITY WITH ADVANCED MATERIALS** : Many advanced materials, like composites or high-strength alloys, may not be adequately assessed using traditional NDE techniques due to differences in material properties.

OUR SERVICES

ADVANCED NDE

PHASED ARRAY ULTRASONIC TESTING



Olympus MX-3 .64 .128 PCI

Olympus X3 64-128. Innovative amplitude-free live phase coherence imaging (PCI) improves small-defect sensitivity and penetration in noisy materials, all while easing your setup and simplifying sizing. Made possible by new generation electronics, TFM imaging offers better focusing capabilities for smaller indications and an improved signal-to-noise ratio (SNR). With its 128-element aperture capacity, the OmniScan X3 64 model provides enhanced image clarity. The Acoustic Influence Map (AIM) tool provides you with an instant visual model of the sensitivity based on your TFM mode, probe, settings, and simulated reflector.

ULTRASONIC THICKNESS GAUGE



Olympus .38 DLP

- The Olympus 38 DLP Thickness Gauge is a cutting-edge device revolutionizing non-destructive testing.
- 9+ can measure the thickness with paint, with oxidation
- 9+ can measure 1/4" pipe
- High Resolution software option of 0.001 mm or 0.0001 in. with single element transducers 2.25 MHz to 30 MHz
- Multilayer software option for measurements of up to four layers simultaneously
- High Penetration software option for attenuating materials such as fiberglass, rubber and thick casting
- Thickness, Velocity, and time-of-flight measurements
- Time-based B-scan mode; 10,000 reviewable readings per scan

EDDY CURRENT TESTING



Nortec 600D

- To detect fine surface cracks in Nonferrous materials.
- Portable eddy current (EC) flaw detectors inspect metallic parts and perform highly reliable and advanced flaw detection of surface and near-surface defects especially in weld and cast products.
- Our eddy current testing equipment includes the latest advances in eddy current flaw detection for precise use in various inspection applications. In an eddy current inspection job, you need equipment you can trust.



COMPUTED RADIOGRAPHY

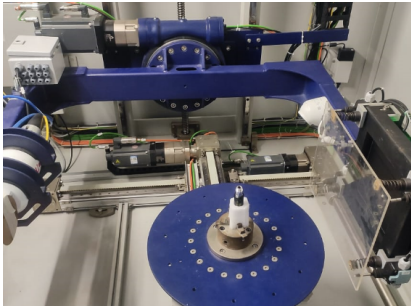
The INDUSTREX HPX-1 Plus is ideal for a lab environment where high-resolution is critical with adjustable PMT and Laser Power to fine tune every image for optimum capture every time. The HPX-1 Plus also has the capability to handle extra-long plates – ideal for aerospace applications.

- No Dark room Process and leads Environment friendly
- Easy to share the images and Easy to archive
- Automated verification to provide assurance to customers and auditors of image integrity and authenticity.
- Accepts custom cut plates and rigid cassettes.

DIGITAL RADIOGRAPHY

Digital radiography is an advanced technology based on digital detector systems in which the x-ray image is displayed directly on a computer screen without the need for developing chemicals or intermediate scanning.

- Shorter exposure times-almost 40% lesser time as compare to Conventional RT
- Enhanced SNR and linearity-Signal to Noise ratio can be easily control
- Reduced inspection time as no chemical processing of film is required-No additional process
- Digital image enhancement and data storage-Easy to archive or share the images



FILM DIGITISER

Digitizer is the equipment of choice for users who demand the highest image quality for non-destructive tests and examination radiographs. Using precise optics and a helium neon laser captures your industrial radiographs with speed, accuracy, and reliability.



- High quality digitized images.
- Post digitisation eliminates film storage.
- Download digitized image on any media via FTP server in case of urgency.
- Customized solutions.
- Highest Precision Digitization.
- Laser point to point digitiser.

CONVENTIONAL NDE



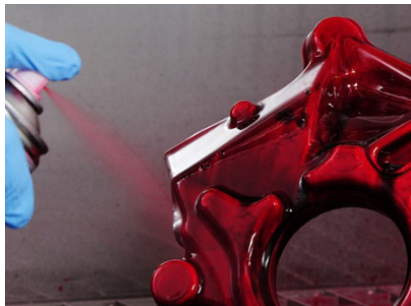
ULTRASONIC EXAMINATION

Ultrasonic Testing services for raw materials, rolled products, casting, forging and welding. Contact testing carried out at client locations and at sites.



RADIOGRAPHIC EXAMINATION

Radiographic Testing by using Se-75 & Iridium-192 Gamma Ray and Portable X-Ray machines with 0.1mm focal point. Jobs carried out by BARC Certified Non Destructive Testing Level-I and Level-II Technicians.



PENETRANT EXAMINATION

Both visible red dye penetrant and fluorescent penetrant inspections line at client locations as well as at our lab. Fluorescent Penetrant Inspection line approved by NADCAP.



MAGNETIC PARTICLE EXAMINATION

MPI crack detection for using Head shot and Coil shot. MPI available with visible wet particles and Fluorescent wet particles. MPI line approved by NADCAP.



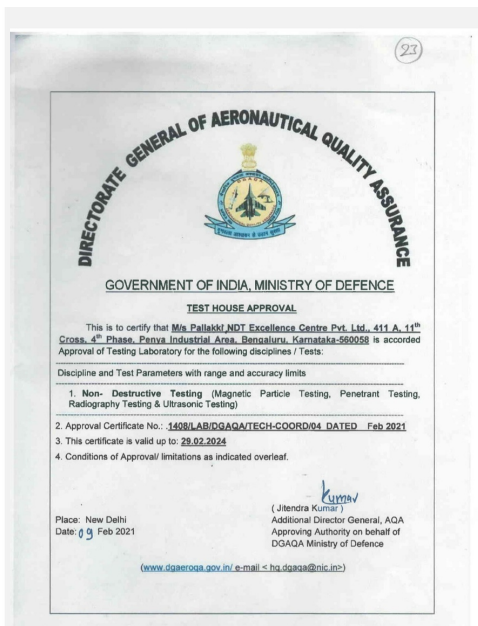
VISUAL EXAMINATION

Visual Testing is perhaps the oldest and most widely used inspection technique. Often the eyes of the inspector are the only "equipment" used for the inspection.

TRAINING & CERTIFICATIONS

Pallakki NDT Excellence Center Pvt. Ltd approved Authorised Training Center from TUV-Nord to conduct ISO-9712 Training.

Pallakki Excellence Center Pvt. Ltd is conducting Advanced Technologies of DR, CR, PAUT, and ECT Level I and II training as per SNT-TC-1A.



CERTIFICATIONS & ACCREDITATIONS

NDT Lab Accredited with NABL – ISO
/ IEC 17025:2017

SNT-TC-1A and ISO 9712 Training
and Certification

NADCAP Accredited
Aerospace NDT Lab

AS 9100:2016 Certified
NDT Lab

NDT Level III Consultancy

PALLAKKI NDT HIGHLIGHTS

28+
years of Professional Expertise

24/7
support

300+
Happy Clients

3000+
NDT Professionals
#pallakkiNDT

Serving Across India

MAJOR CLIENTS





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GET IN TOUCH



"Pallakki NDT Excellence Center company"

Front elevation photo view

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Scan Me



Location