

INSPECTION SERVICES

Non-Destructive Testing has radically changed emphasis over recent past years from a focus on detecting discontinuities arising during the manufacture of new products and also after manufacturing.

It is also giving a good support to the in-service area/plant, by monitoring the integrity of the components to avoid a major risk especially in safety and economically.

Infinity Quality Services has established itself at the forefront of a NDT technological revolution by a process of investment and specialized training to meet this step-change. The result is an infrastructure that offers a comprehensive range of Conventional and Advanced NDT.

With hands on experience and expertise we provide inspection services in major industrial areas.

- ▶ Ultrasonic Flaw Detection (UFD)
- ▶ Ultrasonic Thickness Gauging (UTG)
- ▶ Magnetic Particle Inspection (MPI)
- ▶ Penetrant Testing (PT)
- ▶ Dimensional Inspections
- ▶ Hardness Testing (HT)
- ▶ Visual Inspections
- ▶ Static Equipment and Rotary Equipment
- ▶ Casting, Forging, Welding Inspections.
- ▶ Automobile Spares, Plates, Pipes, Marine Engine Spares
- ▶ & Gear inspection.

We provide consultancy in following areas: -

- ▶ NDT Procedure writing and approval
- ▶ Controlling NDT policies and Activities of the company.
- ▶ Preparing NDT technique's/ Data cards/ Reports for new products and materials.
- ▶ Demonstration of NDT procedures, ensuring that the processes and application of various techniques are in accordance with various specification and standards.
- ▶ Providing Third Party Service for Evaluation of NDT procedures & inspection.
- ▶ Writing and approval of written practices to satisfy training requirements of the Employer in accordance with American Society of Non-Destructive Testing.
- ▶ Conducting internal NDT audits
- ▶ Setting of new NDT labs.



INFINITY QUALITY SERVICES
Quality Meets Excellence

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ASNT NDT LEVEL III – MT, PT,
NDT LEVEL II – UT, VT, RTFI.

WE SERVE ALL OVER IN INDIA



INFINITY QUALITY SERVICES
Quality Meets Excellence

NON DESTRUCTIVE TESTING



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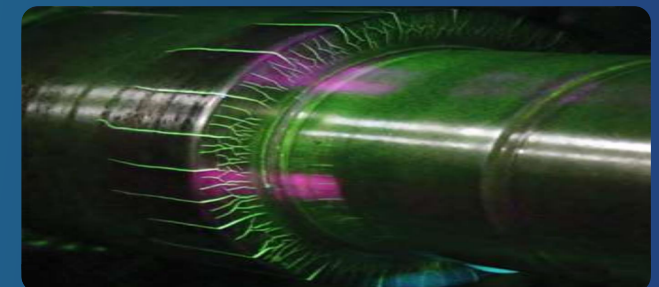
THIRD PARTY INSPECTION SERVICES

INSPECTION <

CONSULTANCY <

TRAINING <

CERTIFICATION <



COMPANY PROFILE

Established in 2020, Infinity Quality Services is into the field of Non-Destructive Examination, Inspection services and Training. Since establishment, IQS has been providing services in the field of Non-Destructive Examination, Inspection, General Testing & Measuring & Developing Test Labs for NDT. Due to the attention for details, professionalism and flawless services that have been delivered over time, Infinity Quality Services has acquired valuable partners. They became very important parts of our company, enhancing through these collaborations, our credibility and prestige within the market is increasing day by day. We can provide all type of Inspections, NDE and Training services at your premises or at our classroom. (whichever is suitable to your company employees)

AUTHORIZATIONS HELD BY THE NDT TESTING OPERATORS :

Our Testing and Inspection team have been built with the personnel's who has well qualified and certified to the level with the certifications internationally and domestically recognized. We offer high class NDT Training with a team of highly technical qualified and experienced personnel with a complete practical facility. All the Inspections & Training are carried out by Technicians & Instructors Certified to SNT – TC – 1A requirements by the American Society of Non-Destructive Testing (ASNT).



- ▶ NDT level II in accordance with SNT-TC-1A.
- ▶ ASNT NDT level III.

OUR SERVICES

VISUAL TESTING

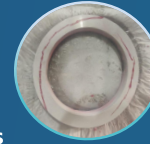
Visual testing is one of the most used NDT methods, usually the first part of any inspection, due to its immediate evaluation. Once the visual testing is performed, it can be established which non-destructive method can be further used.



- ▶ The identification of all visible flaws on the surface.
- ▶ The inspection of less accessible areas.

PENETRANT TESTING

This examination consists of applying a dye penetrant on the examined surface. After penetration time, the developer is applied. Developer absorbs the penetrant and highlights the discontinuities open to surface.

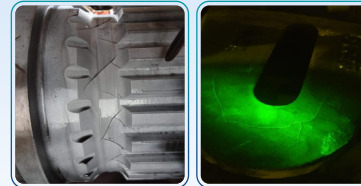


- ▶ Identification of all defects opened to the surface, including the ones that cannot be seen on visual examination.
- ▶ Examination of welded joints of metallic and non-metallic (ceramic, aluminium, etc.)

MAGNETIC PARTICLE TESTING

In contrast to other types of examinations, the magnetic particle can determine the surface defects even in the vicinity. In addition, using this method it is not necessary to clean the surface before, aspect which confers an advantage linked so the execution time, and the conditions in which the examination can be performed.

- ▶ The necessary equipment is portable, and the result is immediate.
- ▶ High speed examination.
- ▶ Simple and easy for performing the examination.



ULTRASONIC TESTING

The method is based on mechanical waves (ultrasound) generated by a piezo-magnetically excited element at a frequency typically in the range between 2 and 5 mhz. Control involves the transmission, reflection, absorption of ultrasonic propagated wave in the controlled part. Transmitted wave beam is reflected within the play and the flaws, then returns to the flaw that can be both transmitter and receiver. Positioning fault is done by interpretation of the signals.



ULTRASONIC EXAMINATION (THICKNESS MEASUREMENT)

Thickness measurements are an application of ultrasounds. The method has applicability on any steel product or any other homogeneous material whose structure allows longitudinal wave propagation with relatively constant speed and from which a ultrasound beam reflection can be obtained from the opposite probe.



INFINITY QUALITY SERVICES

Quality meets Excellence



TRAINING AND CONSULTANCY

We offer Onsite and Classroom Training of NDT – LEVEL I & LEVEL II.

Certification programmes – LEVEL I & LEVEL II.

1. Magnetic Particle Testing (MT).
2. Liquid Penetrant Testing (PT).
3. Ultrasonic Testing (UT).
4. Radiographic Testing Film Interpretation (RTFI).
5. Visual Testing (VT).

The training course is based on the guidelines of American Society of Non-Destructive Testing document SNT -TC – 1A edition 2016.

Preparatory Programmes for ASNT NDT LEVEL III

1. Basic (BA)
2. Magnetic Particle Testing (MT).
3. Liquid Penetrant Testing (PT).
4. Radiographic Testing (RT).