

Non-Destructive Testing (NDT) Services Market Set to Reach USD 49.81 Billion by 2034

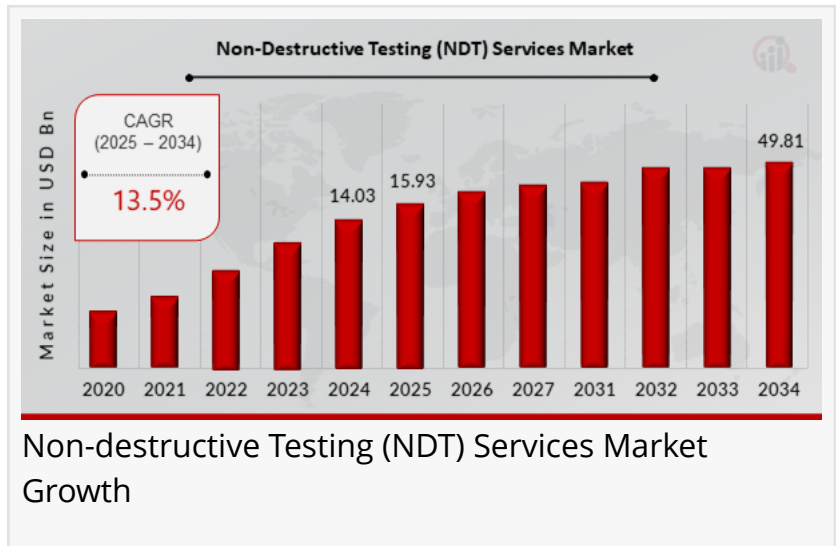
Non-Destructive Testing (NDT) Services Market Research Report Information By Technique, Type, Application, Vertical, and Region

ID, UNITED STATES, April 23, 2025

/EINPresswire.com/ -- The [Non-Destructive Testing \(NDT\) Services Market](#) is witnessing dynamic growth,

fueled by the global transition to renewable energy and a rising emphasis on operational safety and asset integrity. Valued at USD 14.03

billion in 2024, the market is projected to expand robustly to USD 15.93 billion in 2025, and further reach USD 49.81 billion by 2034, growing at a CAGR of 13.5% over the forecast period (2025–2034).



Non-destructive Testing (NDT) Services Market Growth

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Key Companies in the non-destructive testing (NDT) services market include.

- MISTRAS Group, Inc. (U.S.),
- Olympus Corporation (Japan),
- GE Inspection Technologies (U.S.),
- SGS S.A. (Switzerland),
- Olympus Corporation (Japan),
- Intertek Group PLC (U.K.),
- Nikon Metrology, Inc. (U.S.),
- Sonatest Ltd. (U.K.),
- Bosello High Technology S.R.L. (Italy),
- Fujifilm Holdings Corporation (Japan) and
- Ashtead Technology, Inc. (U.S.)

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Why NDT Services Are in High Demand

As industries evolve, so does the need to ensure structural integrity without causing damage to components. NDT services enable organizations to inspect assets, identify flaws, and ensure compliance without halting operations or compromising equipment.

The surge in renewable energy adoption is a key market driver. From wind turbines and solar farms to hydroelectric and nuclear systems, clean energy infrastructures demand routine, high-precision testing to maintain efficiency, safety, and reliability.

Market Segmentation Snapshot

By Testing Method

Ultrasonic Testing (UT): Widely used for thickness measurement and internal flaw detection.

Radiographic Testing (RT): Essential in pipeline inspection and critical welding evaluation.

Magnetic Particle Testing (MT): Suited for surface and near-surface defect detection in ferromagnetic materials.

Eddy Current Testing (ET): Effective in detecting surface cracks and corrosion.

Visual Inspection (VI): Simple, yet critical for first-line defense in NDT strategies.

By Service Type

Inspection Services

Training Services

Consulting Services

Equipment Rental Services

By Industry Vertical

Renewable Energy: A rapidly growing segment, as wind, solar, and hydro facilities scale up globally.

Oil & Gas: Long-time driver, especially in upstream and midstream infrastructure monitoring.

Aerospace & Defense: High adoption due to stringent quality standards and safety regulations.

Manufacturing & Automotive: Ensures product consistency and structural soundness in mass production.

Construction & Infrastructure: Critical in bridges, buildings, and transportation networks.

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Regional Insights

North America leads the market, underpinned by robust industrial sectors and the early adoption of advanced NDT technologies.

Europe benefits from strict safety standards and green energy initiatives.

Asia Pacific is the fastest-growing region, driven by large-scale infrastructure projects and surging renewable investments in countries like China, India, and Japan.

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