

Non-Destructive Testing Market: Size, Trend, Share, and Opportunity Analysis & Forecast, 2014-2025

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Abstracts

Nondestructive testing is the quality control technique to evaluate the properties of parts, materials, and products without causing damage. It is an extensively used technique for ensuring the safety and reliability of products/materials being used without destroying them. It provides an exceptional stability between quality control and cost effectiveness.

Based on testing method, the market is segmented into ultrasonic testing, visual inspection technique, eddy-current testing, radiography technique, magnetic particle & electromagnetic testing, liquid penetrant testing, and others. Based on technique the market is segmented into volumetric examination, surface examination, and others. By industry vertical, the market is segmented into energy & power, oil & gas, automotive & transportation, aerospace & defense, infrastructure, and others. Geographical breakdown and deep analysis of each of the aforesaid segments is included for North America, Europe, Asia-Pacific, and LAMEA.

MARKET DYNAMICS:

Drivers:

Rise in need for extending the life of obsolete infrastructure.

Increasing in government regulations for safety

Restraints:

High cost of automated NDT equipment

MARKET PLAYERS:

The top players in the global non-destructive testing market includes Intertek Group Plc, Ashtead Technology, Inc, Sonatest, Mistras Group, Inc., Olympus Corporation, SGS SA, YXLON International GmbH, Magnaflux Corporation, General Electric, and Zetec, Inc.

KEY TAKEAWAYS

MARKET LANDSCAPE:

By Testing:

- Ultrasonic testing
- visual inspection technique
- Eddy-current testing
- Radiography technique
- Magnetic particle testing
- Electromagnetic testing
- Liquid penetrant testing
- Others

By Industry Vertical

- Energy & power
- Oil and gas
- Automotive

Transportation

Aerospace and defense

Infrastructure

Others

By Technique

Volumetric examination

Surface examination

Others

By Geography

North America

U.S.

Canada

Mexico

Europe

UK

Germany

France

Spain

Italy

Rest of Europe

Asia-Pacific

China

Japan

India

Australia

South Korea

Rest of Asia-Pacific

LAMEA

Brazil

Saudi Arabia

South Africa

Rest of LAMEA

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