

# Global AI-Assisted Non-destructive Testing Solution Market 2025 by Company, Regions, Type and Application, Forecast to 2031

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## Abstracts

According to our latest research, the global AI-Assisted Non-destructive Testing Solution market size will reach USD 315 million in 2031, growing at a CAGR of 10.9% over the analysis period.

AI-Assisted Non-destructive Testing Solution is an intelligent testing system that integrates artificial intelligence technologies (such as machine learning, deep learning, and computer vision) with traditional non-destructive testing technologies (such as ultrasound, X-ray, magnetic powder, and eddy current testing). Through data collection, intelligent analysis, defect identification and evaluation, the solution can achieve automated, high-precision detection of internal/surface defects of materials or components, and generate test reports and maintenance recommendations. Its core value lies in improving detection efficiency, accuracy, and reliability while reducing reliance on manual experience. It is suitable for complex testing needs in the fields of manufacturing, aerospace, energy, rail transportation, etc.

This report is a detailed and comprehensive analysis for global AI-Assisted Non-destructive Testing Solution market. Both quantitative and qualitative analyses are presented by company, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

## Key Features:

Global AI-Assisted Non-destructive Testing Solution market size and forecasts, in consumption value (\$ Million), 2020-2031

Global AI-Assisted Non-destructive Testing Solution market size and forecasts by region and country, in consumption value (\$ Million), 2020-2031

Global AI-Assisted Non-destructive Testing Solution market size and forecasts, by Type and by Application, in consumption value (\$ Million), 2020-2031

Global AI-Assisted Non-destructive Testing Solution market shares of main players, in revenue (\$ Million), 2020-2025

### **The Primary Objectives in This Report Are:**

To determine the size of the total market opportunity of global and key countries

To assess the growth potential for AI-Assisted Non-destructive Testing Solution

To forecast future growth in each product and end-use market

To assess competitive factors affecting the marketplace

This report profiles key players in the global AI-Assisted Non-destructive Testing Solution market based on the following parameters - company overview, revenue, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Eddyfi Technologies, Evident Scientific, Exanodia, Xray-Lab, Fujifilm, MISTRAS, sentin GmbH, Sonatest, Testia, Twi-Global, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

### **Market segmentation**

AI-Assisted Non-destructive Testing Solution market is split by Type and by Application. For the period 2020-2031, the growth among segments provides accurate calculations and forecasts for Consumption Value by Type and by Application. This analysis can help you expand your business by targeting qualified niche markets.

## Market segment by Type

Embedded AI Detection System

External AIAnalysis Platform

## Market segment by Application

Energy

Infrastructure

Aerospace

Transportation

Manufacturing

Others

## Market segment by players, this report covers

Eddyfi Technologies

Evident Scientific

Exanodia

Xray-Lab

Fujifilm

MISTRAS

sentin GmbH

Sonatest

Testia

Twilight

Waygate Technologies

Market segment by regions, regional analysis covers

North America (United States, Canada and Mexico)

Europe (Germany, France, UK, Russia, Italy and Rest of Europe)

Asia-Pacific (China, Japan, South Korea, India, Southeast Asia and Rest of Asia-Pacific)

South America (Brazil, Rest of South America)

Middle East & Africa (Turkey, Saudi Arabia, UAE, Rest of Middle East & Africa)

**The content of the study subjects, includes a total of 13 chapters:**

Chapter 1, to describe AI-Assisted Non-destructive Testing Solution product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top players of AI-Assisted Non-destructive Testing Solution, with revenue, gross margin, and global market share of AI-Assisted Non-destructive Testing Solution from 2020 to 2025.

Chapter 3, the AI-Assisted Non-destructive Testing Solution competitive situation, revenue, and global market share of top players are analyzed emphatically by landscape contrast.

Chapter 4 and 5, to segment the market size by Type and by Application, with consumption value and growth rate by Type, by Application, from 2020 to 2031

Chapter 6, 7, 8, 9, and 10, to break the market size data at the country level, with revenue and market share for key countries in the world, from 2020 to 2025. and AI-Assisted Non-destructive Testing Solution market forecast, by regions, by Type and by Application, with consumption value, from 2026 to 2031.

Chapter 11, market dynamics, drivers, restraints, trends, Porters Five Forces analysis.

Chapter 12, the key raw materials and key suppliers, and industry chain of AI-Assisted Non-destructive Testing Solution.

Chapter 13, to describe AI-Assisted Non-destructive Testing Solution research findings and conclusion.

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