

Non-Destructive Testing (NDT) Market by Component (Equipment, Services) Method (Ultrasonic, Radiography, Liquid Penetrant, Magnetic) End-User (Oil & Gas, Aerospace & Defense, Automotive, Infra) Technique, Application & Region - Global Forecast to 2022

<https://marketpublishers.com/r/N895369B157EN.html>

Date: January 2017

Pages: 222

Price: US\$ 5,650.00 (Single User License)

ID: N895369B157EN

Abstracts

“The non-destructive testing market is projected to grow at a CAGR of 8.24% from 2016 to 2022”

The non-destructive testing market is estimated to be USD 15.06 billion in 2016 and is projected to reach USD 24.23 billion by 2022, at a CAGR of 8.24% from 2016 to 2022. The non-destructive testing market is witnessing growth due to increasing demand for new infrastructures and the growing need to renovate the existing aging infrastructure. Outsourcing of non-destructive testing operations to third-party vendors and emergence of Industrial Internet of Things (IIoT) are additional factors propelling the growth of this market. However, the non-destructive testing market faces a series of challenges with respect to high cost of advanced non-destructive testing equipment and lack of skilled technicians.

“The oil & gas segment is estimated to account for the largest market share”

Based on end user, the oil & gas segment is estimated to account for the largest share of the non-destructive testing market in 2016. The aerospace & defense segment of this market is projected to grow at the highest CAGR from 2016 to 2022, owing to the extensive use of non-destructive techniques to detect flaws and imperfections in aerospace components. Moreover, factors such as safety, increased service intervals,

reducing tolerance to disruption, low emission targets, and innovative materials have further contributed to the increased demand for non-destructive testing techniques in the aerospace & defense sector.

“The services segment is estimated to account for the largest market share”

Based on component, the non-destructive testing market has been segmented into equipment and services. The services segment is estimated to account for the largest share of the non-destructive testing market in 2016. The equipment segment of this market is expected to grow at the highest CAGR from 2016 to 2022, owing to increased quality awareness and the subsequent rise in demand for highly advanced products.

“The ultrasonic testing segment is estimated to account for the largest market share”

Based on method, the non-destructive testing market has been segmented into visual inspection, magnetic particle testing, liquid penetrant testing, ultrasonic testing, radiography, and eddy-current testing. The visual inspection segment is estimated to account for the largest share of the non-destructive testing market in 2016. The ultrasonic testing segment of this market is expected to grow at the highest CAGR from 2016 to 2022. Ultrasonic testing is used to measure the thickness of a wide range of metallic and non-metallic materials, and it is applicable in varied industries such as steel, manufacturing, aluminum construction, infrastructure, and power generation.

“Non-destructive testing market in BRICS countries is projected to grow at the highest CAGR from 2016 to 2022”

The BRICS countries are expected to lead the non-destructive testing market during the forecast period. BRICS countries that include China, India, Russia, Brazil, and South Africa collaboratively account for a significant share of the global non-destructive testing market in 2016. Increased spending on infrastructure and aerospace & defense sectors, coupled with the growing focus towards generation of nuclear energy is driving the growth of the non-destructive testing market.

Break-up of profile of primary participants for the non-destructive testing market:

By Company Type - Tier 1 – 55 %, Tier 2 – 20%, and Tier 3 – 25%

By Designation – C level – 35%, Director level – 25%, and Others – 40%

By Region – North America – 45%, Europe – 20%, Asia-Pacific – 30%, and RoW – 5%

Key companies operating in the non-destructive testing market include Olympus Corporation (Japan), MISTRAS Group, Inc. (U.S.), Intertek Group Plc. (U.K.), SGS S.A. (Switzerland), GE Measurement and Control (U.S.), Nikon Metrology, Inc. (U.S.), Ashtead Technology, Inc. (U.S.), Sonatest Ltd. (U.K.), Bosello High Technology S.R.L. (Italy), and Fujifilm Holding Corporation (Japan).

RESEARCH COVERAGE:

The report analyzes the non-destructive testing market on the basis of component, application, end user, method, and technique, and maps these segments and subsegments across G7 Nations, BRICS, and rest of the world. The report provides an in-depth market intelligence regarding the market dynamics and major factors that influence the growth of the non-destructive testing market (drivers, restraints, opportunities, and industry-specific challenges), along with an analysis of micromarkets with respect to individual growth trends, future prospects, and their contribution to the overall non-destructive testing market.

REASONS TO BUY THE REPORT:

From an insight perspective, this research report has focused on various levels of analysis—industry analysis (industry trends,), market share analysis of top players, supply chain analysis, and company profiles, which comprise and discuss the basic views on the competitive landscape; emerging and high-growth segments; high-growth regions and countries and their respective regulatory policies; government initiatives; and market drivers, restraints, opportunities, and challenges for the non-destructive testing market.

The report provides insights on the following pointers:

Market Penetration: Comprehensive information on non-destructive testing service and equipment offered by top 10 players in the non-destructive testing market

Market Sizing: Market sizes for financial year, 2014-2015 and during the forecast period, 2016 to 2022

Market Overview: Market dynamics and subsequent analysis of associated trends, drivers, restraints, and opportunities prevailing in the non-destructive testing market

Product Development/Innovation: Detailed insights on upcoming technologies, research & development activities, and new product launches in the market

Market Development: Comprehensive information about lucrative emerging markets - the report analyzes the markets for non-destructive testing across varied regions

Market Diversification: Exhaustive information about new products, untapped geographies, recent developments, and investments in the market

Competitive Assessment: In-depth assessment of market shares, growth strategies, products, and manufacturing capabilities of leading market players

Contents

1 INTRODUCTION

- 1.1 OBJECTIVES OF THE STUDY
- 1.2 MARKET DEFINITION
- 1.3 STUDY SCOPE
 - 1.3.1 MARKETS COVERED
 - 1.3.2 REGIONAL SCOPE
 - 1.3.3 YEARS CONSIDERED FOR THE STUDY
- 1.4 CURRENCY & PRICING
- 1.5 DISTRIBUTION CHANNEL PARTICIPANTS
- 1.6 STAKEHOLDERS

2 RESEARCH METHODOLOGY

- 2.1 RESEARCH DATA
 - 2.1.1 SECONDARY DATA
 - 2.1.1.1 Key data from secondary sources
 - 2.1.2 PRIMARY DATA
 - 2.1.2.1 Key data from primary sources
 - 2.1.2.2 Breakdown of primaries
- 2.2 FACTOR ANALYSIS
 - 2.2.1 INTRODUCTION
 - 2.2.2 DEMAND-SIDE INDICATORS
 - 2.2.2.1 Increase in renewable energy use
 - 2.2.2.2 Pipeline network safety
 - 2.2.2.3 Growth in aircraft fleet size
 - 2.2.3 SUPPLY-SIDE INDICATORS
 - 2.2.3.1 Increased R&D activities
 - 2.2.3.2 Development of efficient materials
- 2.3 MARKET SIZE ESTIMATION
 - 2.3.1 BOTTOM-UP APPROACH
 - 2.3.2 TOP-DOWN APPROACH
- 2.4 MARKET BREAKDOWN & DATA TRIANGULATION
- 2.5 RESEARCH ASSUMPTIONS & LIMITATIONS
 - 2.5.1 ASSUMPTIONS
 - 2.5.2 LIMITATIONS

3 EXECUTIVE SUMMARY

4 PREMIUM INSIGHTS

- 4.1 ATTRACTIVE OPPORTUNITIES IN NDT MARKET
- 4.2 NDT MARKET, BY END-USER
- 4.3 NDT MARKET, BY TECHNIQUE
- 4.4 OPPORTUNITIES IN NDT MARKET: REGIONAL ANALYSIS
- 4.5 NDT MARKET, BY TECHNIQUE
- 4.6 BRICS NDT MARKET, BY END-USER
- 4.7 LIFE CYCLE ANALYSIS, BY REGION

5 MARKET OVERVIEW

- 5.1 INTRODUCTION
- 5.2 MARKET EVOLUTION
- 5.3 MARKET SEGMENTATION
 - 5.3.1 BY METHOD
 - 5.3.2 BY TECHNIQUE
 - 5.3.3 BY APPLICATION
 - 5.3.4 BY COMPONENT
 - 5.3.5 BY END-USER
- 5.4 MARKET DYNAMICS
 - 5.4.1 DRIVERS
 - 5.4.1.1 Extending the useful life of aging infrastructure
 - 5.4.1.2 Outsourcing of non-core activities and technical resource constraints
 - 5.4.1.3 Stringent safety regulations formulated by governments
 - 5.4.1.4 Emergence of Industrial Internet of Things
 - 5.4.2 RESTRAINTS
 - 5.4.2.1 Lack of skilled professionals
 - 5.4.2.2 High cost of advanced NDT equipment
 - 5.4.3 OPPORTUNITIES
 - 5.4.3.1 New power generation projects
 - 5.4.3.2 Integration of robotic technology
 - 5.4.3.3 Increasing use of advanced materials
 - 5.4.3.4 Large-scale infrastructure projects
 - 5.4.4 CHALLENGES
 - 5.4.4.1 Price volatility of natural gas and crude oil
 - 5.4.4.2 Reluctance to adopt new NDT techniques by end-users

5.4.5 WINNING IMPERATIVES

5.4.5.1 Expanding end-user market

5.4.5.2 Expanding geographical reach

5.4.6 BURNING ISSUES

5.4.6.1 Lack of skilled workforce and increasing mechanical complications

5.4.6.2 Rapid industrial transformation

6 INDUSTRY TRENDS

6.1 INTRODUCTION

6.2 EMERGING TECHNOLOGY TRENDS

6.2.1 CLOUD TESTING: INTEGRATED INNOVATION TECHNOLOGY

6.2.2 ROBOTIC INTEGRATED TECHNOLOGY

6.2.2.1 Film x-ray vs. digital radiography (DR)

6.2.3 IIOT

6.3 PRODUCT LAUNCHES

6.4 TECHNOLOGICAL ADVANCEMENTS

6.5 INNOVATION & PATENT REGISTRATIONS

6.6 NDT REGULATORY BODIES, BY REGION

6.7 AVERAGE SELLING PRICE, 2016

7 NDT MARKET, BY METHOD

7.1 INTRODUCTION

7.2 VISUAL INSPECTION

7.3 MAGNETIC PARTICLE TESTING (MPT)

7.4 LIQUID PENETRANT TESTING (LPT)

7.5 ULTRASONIC TESTING

7.6 RADIOGRAPHY TESTING

7.7 EDDY CURRENT TESTING (ECT)

7.8 OTHERS

7.8.1 TERAHERTZ IMAGING

7.8.2 MAGNETIC RESONANCE IMAGING (MRI)

7.8.3 ACOUSTIC EMISSION TESTING (AET)

7.8.4 NEAR-INFRARED SPECTROSCOPY

7.8.5 OPTICAL MICROSCOPIC TESTING

7.8.6 THERMOGRAPHIC TESTING

8 NDT MARKET, BY TECHNIQUE

- 8.1 INTRODUCTION
- 8.2 SURFACE EXAMINATION
- 8.3 VOLUMETRIC EXAMINATION
- 8.4 CONDITION MONITORING
- 8.5 INTEGRITY EXAMINATION TECHNIQUE
- 8.6 OTHERS

9 NDT MARKET, BY APPLICATION

- 9.1 INTRODUCTION
- 9.2 FLAW DETECTION
- 9.3 LEAK DETECTION
- 9.4 DIMENSIONAL MEASUREMENT
- 9.5 PHYSICAL PROPERTIES DETERMINATION
- 9.6 CHEMICAL COMPOSITION DETERMINATION
- 9.7 PLASMA EMISSION SPECTROGRAPHY
- 9.8 CORROSION RESISTANCE TESTING
- 9.9 STRESS & STRUCTURE ANALYSIS
- 9.10 OTHERS

10 NDT MARKET, BY COMPONENT

- 10.1 INTRODUCTION
- 10.2 EQUIPMENT
- 10.3 SERVICES

11 NDT MARKET, BY END-USER

- 11.1 INTRODUCTION
- 11.2 AEROSPACE & DEFENSE
- 11.3 AUTOMOTIVE
- 11.4 OIL & GAS
- 11.5 INFRASTRUCTURE
- 11.6 POWER GENERATION
- 11.7 OTHERS

12 NDT MARKET, BY REGION

12.1 INTRODUCTION

12.2 G7 NATIONS

12.2.1 BY END-USER

12.2.2 BY METHOD

12.2.3 BY TECHNIQUE

12.2.4 BY COUNTRY

12.2.4.1 U.S.

12.2.4.1.1 By end-user

12.2.4.1.2 By method

12.2.4.2 GERMANY

12.2.4.2.1 By end-user

12.2.4.2.2 By method

12.2.4.3 JAPAN

12.2.4.3.1 By end-user

12.2.4.3.2 By method

12.2.4.4 U.K.

12.2.4.4.1 By end-user

12.2.4.4.2 By method

12.2.4.5 FRANCE

12.2.4.5.1 By end-user

12.2.4.5.2 By method

12.2.4.6 CANADA

12.2.4.6.1 By end-user

12.2.4.6.2 By method

12.2.4.7 ITALY

12.2.4.7.1 By end-user

12.2.4.7.2 By method

12.3 BRICS

12.3.1 BY END-USER

12.3.2 BY METHOD

12.3.3 BY TECHNIQUE

12.3.4 BY COUNTRY

12.3.4.1 CHINA

12.3.4.1.1 By end-user

12.3.4.1.2 By method

12.3.4.2 INDIA

12.3.4.2.1 By end-user

12.3.4.2.2 By method

12.3.4.3 RUSSIA

- 12.3.4.3.1 By end-user
- 12.3.4.3.2 By method
- 12.3.4.4 BRAZIL
 - 12.3.4.4.1 By end-user
 - 12.3.4.4.2 By method
- 12.3.4.5 SOUTH AFRICA
 - 12.3.4.5.1 By end-user
 - 12.3.4.5.2 By method
- 12.4 ROW
 - 12.4.1 BY END-USER
 - 12.4.2 BY METHOD
 - 12.4.3 BY TECHNIQUE
 - 12.4.4 BY COUNTRY
 - 12.4.4.1 SAUDI ARABIA
 - 12.4.4.1.1 By end-user
 - 12.4.4.1.2 By method
 - 12.4.4.2 SOUTH KOREA
 - 12.4.4.2.1 By end-user
 - 12.4.4.2.2 By method
 - 12.4.4.3 Others
 - 12.4.4.3.1 By end-user
 - 12.4.4.3.2 By method

13 COMPETITIVE LANDSCAPE

- 13.1 INTRODUCTION
- 13.2 BRAND ANALYSIS
- 13.3 MARKET SHARE ANALYSIS
- 13.4 COMPETITIVE SITUATIONS AND TRENDS
 - 13.4.1 NEW PRODUCT LAUNCHES
 - 13.4.2 ACQUISITIONS, PARTNERSHIPS, JOINT VENTURES, AND AGREEMENTS
 - 13.4.3 CONTRACTS
 - 13.4.4 EXPANSIONS

14 COMPANY PROFILES

(Company overview, Product/service offered, Recent developments, SWOT analysis, MnM view)*

14.1 INTRODUCTION

14.1.1 FINANCIAL HIGHLIGHTS

14.2 OLYMPUS CORPORATION

14.3 MISTRAS GROUP, INC.

14.4 INTERTEK GROUP PLC

14.5 SGS S.A.

14.6 GE MEASUREMENT & CONTROL

14.7 NIKON METROLOGY, INC.

14.8 ASHTEAD TECHNOLOGY, INC.

14.9 SONATEST LTD.

14.10 BOSELLO HIGH TECHNOLOGY S.R.L.

14.11 FUJIFILM HOLDINGS CORPORATION

*Details on Company overview, Product/service offered, Recent developments, SWOT analysis, MnM view might not be captured in case of unlisted companies.

15 APPENDIX

15.1 DISCUSSION GUIDE

15.2 KNOWLEDGE STORE: MARKETSANDMARKETS' SUBSCRIPTION PORTAL

15.3 INTRODUCING RT: REAL-TIME MARKET INTELLIGENCE

15.4 AVAILABLE CUSTOMIZATIONS

15.5 RELATED REPORTS

15.6 AUTHOR DETAILS

List Of Tables

LIST OF TABLES

TABLE 1 INVESTMENTS IN RENEWABLE ENERGY, BY COUNTRY, 2015
TABLE 2 TOTAL LENGTH OF THE PIPELINE NETWORK, BY COUNTRY, 2013 (KM)
TABLE 3 COST COMPARISON BETWEEN FILM X-RAY AND DR
TABLE 4 RECENT PRODUCT LAUNCHES IN NDT MARKET, 2014–2016
TABLE 5 RECENT TECHNOLOGY TRENDS IN NDT MARKET, BY INDUSTRY
TABLE 6 IMPORTANT INNOVATION & PATENT REGISTRATIONS, 2011-2016
TABLE 7 NDT MARKET SIZE, BY METHOD, 2014-2022 (USD MILLION)
TABLE 8 TYPES OF NDT METHODS
TABLE 9 VISUAL INSPECTION TESTING: NDT MARKET, BY REGION, 2014-2022 (USD MILLION)
TABLE 10 MPT: NDT MARKET, BY REGION, 2014-2022 (USD MILLION)
TABLE 11 LPT: NDT MARKET, BY REGION, 2014-2022 (USD MILLION)
TABLE 12 ULTRASONIC TESTING: NDT MARKET SIZE, BY REGION, 2014-2022 (USD MILLION)
TABLE 13 RADIOGRAPHY TESTING: NDT MARKET SIZE, BY REGION, 2014-2022 (USD MILLION)
TABLE 14 ECT: NDT MARKET, BY REGION, 2014-2022 (USD MILLION)
TABLE 15 APPLICATIONS OF TERAHERTZ IMAGING METHOD, BY INDUSTRY
TABLE 16 APPLICATIONS OF MRI METHOD, BY INDUSTRY
TABLE 17 APPLICATIONS OF AET METHOD, BY INDUSTRY
TABLE 18 APPLICATIONS OF NEAR-INFRARED SPECTROSCOPY METHOD, BY INDUSTRY
TABLE 19 APPLICATION OF OPTICAL MICROSCOPIC TESTING METHOD, BY INDUSTRY
TABLE 20 APPLICATIONS OF THERMOGRAPHIC TESTING, BY INDUSTRY
TABLE 21 NDT TECHNIQUES FOR DETECTION OF SURFACE CRACKS
TABLE 22 NDT MARKET SIZE, BY TECHNIQUE, 2014-2022 (USD MILLION)
TABLE 23 SURFACE EXAMINATION TECHNIQUE: NDT MARKET SIZE, BY REGION, 2014-2022 (USD MILLION)
TABLE 24 VOLUMETRIC EXAMINATION TECHNIQUE: NDT MARKET SIZE, BY REGION, 2014-2022 (USD MILLION)
TABLE 25 CONDITION MONITORING TECHNIQUE: NDT MARKET SIZE, BY REGION, 2014-2022 (USD MILLION)
TABLE 26 INTEGRITY EXAMINATION TECHNIQUE: NDT MARKET SIZE, BY REGION, 2014-2022 (USD MILLION)

TABLE 27 OTHERS: NDT MARKET SIZE, BY REGION, 2014-2022 (USD MILLION)

TABLE 28 APPLICATION OF ULTRASONIC TRANSDUCERS FOR FLAW
DETECTION

TABLE 29 FLAW DETECTION PRODUCTS, BY KEY PLAYERS

TABLE 30 TECHNIQUES FOR LEAK TESTING

TABLE 31 DIMENSION MEASUREMENT PRODUCTS, BY KEY PLAYERS

TABLE 32 TECHNIQUES INVOLVED IN DIMENSION EVALUTION

TABLE 33 PHYSICAL PROPERTIES DETERMINATION PRODUCTS, BY KEY
PLAYERS

TABLE 34 ULTRASONIC VELOCITY AND CONCRETE STRUCTURE CONDITION

TABLE 35 METHODS FOR CORROSION TESTING, BY CATEGORY

TABLE 36 NDT TECHNIQUES FOR STRESS & STRUCTURES DAMAGES

TABLE 37 OTHER APPLICATIONS OF NDT

TABLE 38 NDT MARKET SIZE, BY COMPONENT, 2014-2022 (USD MILLION)

TABLE 39 NDT MARKET SIZE, BY EQUIPMENT, 2014-2022 (USD MILLION)

TABLE 40 NDT MARKET SIZE, BY SERVICES, 2014-2022 (USD MILLION)

TABLE 41 NDT MARKET SIZE, BY END-USER, 2014-2022 (USD MILLION)

TABLE 42 NDT MARKET FUTURE OUTLOOK, BY END-USER

TABLE 43 AEROSPACE & DEFENSE: NDT MARKET, BY REGION, 2014-2022 (USD
MN)

TABLE 44 AUTOMOTIVE: NDT MARKET SIZE, BY REGION, 2014-2022 (USD
MILLION)

TABLE 45 OIL & GAS: NDT MARKET SIZE, BY REGION, 2014-2022 (USD MILLION)

TABLE 46 INFRASTRUCTURE: NDT MARKET SIZE, BY REGION, 2014-2022 (USD
MILLION)

TABLE 47 POWER GENERATION: NDT MARKET SIZE, BY REGION, 2014-2022
(USD MILLION)

TABLE 48 OTHERS: NDT MARKET SIZE, BY REGION, 2014-2022 (USD MILLION)

TABLE 49 NDT MARKET SIZE, BY REGION, 2014-2022 (USD MILLION)

TABLE 50 G7 NATIONS: NDT MARKET SIZE, BY END-USER, 2014-2022 (USD
MILLION)

TABLE 51 G7 NATIONS: NDT MARKET SIZE, BY METHOD, 2014-2022 (USD
MILLION)

TABLE 52 G7 NATIONS: NDT MARKET SIZE, BY TECHNIQUE, 2014-2022 (USD
MILLION)

TABLE 53 G7 NATIONS: NDT MARKET SIZE, BY COUNTRY, 2014-2022 (USD
MILLION)

TABLE 54 U.S.: NDT MARKET SIZE, BY END-USER, 2014-2022 (USD MILLION)

TABLE 55 U.S.: NDT MARKET SIZE, BY METHOD, 2014-2022 (USD MILLION)

TABLE 56 GERMANY: NDT MARKET SIZE, BY END-USER, 2014-2022 (USD MILLION)

TABLE 57 GERMANY: NDT MARKET SIZE, BY METHOD, 2014-2022 (USD MILLION)

TABLE 58 JAPAN: NDT MARKET SIZE, BY END-USER, 2014-2022 (USD MILLION)

TABLE 59 JAPAN: NDT MARKET SIZE, BY METHOD, 2014-2022 (USD MILLION)

TABLE 60 U.K.: NDT MARKET SIZE, BY END-USER, 2014-2022 (USD MILLION)

TABLE 61 U.K.: NDT MARKET SIZE, BY METHOD, 2014-2022 (USD MILLION)

TABLE 62 FRANCE: NDT MARKET SIZE, BY END-USER, 2014-2022 (USD MILLION)

TABLE 63 FRANCE: NDT MARKET SIZE, BY METHOD, 2014-2022 (USD MILLION)

TABLE 64 CANADA: NDT MARKET SIZE, BY END-USER, 2014-2022 (USD MILLION)

TABLE 65 CANADA: NDT MARKET SIZE, BY METHOD, 2014-2022 (USD MILLION)

TABLE 66 ITALY: NDT MARKET SIZE, BY END-USER, 2014-2022 (USD MILLION)

TABLE 67 ITALY: NDT MARKET SIZE, BY METHOD, 2014-2022 (USD MILLION)

TABLE 68 BRICS: NDT MARKET SIZE, BY END-USER, 2014-2022 (USD MILLION)

TABLE 69 BRICS: NDT MARKET SIZE, BY METHOD, 2014-2022 (USD MILLION)

TABLE 70 BRICS: NDT MARKET SIZE, BY TECHNIQUE, 2014-2022 (USD MILLION)

TABLE 71 BRICS: NDT MARKET SIZE, BY COUNTRY, 2014-2022 (USD MILLION)

TABLE 72 CHINA: NDT MARKET SIZE, BY END-USER, 2014-2022 (USD MILLION)

TABLE 73 CHINA: NDT MARKET SIZE, BY METHOD, 2014-2022 (USD MILLION)

TABLE 74 INDIA: NDT MARKET SIZE, BY END-USER, 2014-2022 (USD MILLION)

TABLE 75 INDIA: NDT MARKET SIZE, BY METHOD, 2014-2022 (USD MILLION)

TABLE 76 RUSSIA: NDT MARKET SIZE, BY END-USER, 2014-2022 (USD MILLION)

TABLE 77 RUSSIA: NDT MARKET SIZE, BY METHOD, 2014-2022 (USD MILLION)

TABLE 78 BRAZIL: NDT MARKET SIZE, BY END-USER, 2014-2022 (USD MILLION)

TABLE 79 BRAZIL: NDT MARKET SIZE, BY METHOD, 2014-2022 (USD MILLION)

TABLE 80 SOUTH AFRICA: NDT MARKET SIZE, BY END-USER, 2014-2022 (USD MILLION)

TABLE 81 SOUTH AFRICA: NDT MARKET SIZE, BY METHOD, 2014-2022 (USD MILLION)

TABLE 82 ROW: NDT MARKET SIZE, BY END-USER, 2014-2022 (USD MILLION)

TABLE 83 ROW: NDT MARKET SIZE, BY METHOD, 2014-2022 (USD MILLION)

TABLE 84 ROW: NDT MARKET SIZE, BY TECHNIQUE, 2014-2022 (USD MILLION)

TABLE 85 ROW: NDT MARKET SIZE, BY COUNTRY, 2014-2022 (USD MILLION)

TABLE 86 SAUDI ARABIA: NDT MARKET SIZE, BY END-USER, 2014-2022 (USD MILLION)

TABLE 87 SAUDI ARABIA: NDT MARKET SIZE, BY METHOD, 2014-2022 (USD MILLION)

TABLE 88 SOUTH KOREA: NDT MARKET SIZE, BY END-USER, 2014-2022 (USD MILLION)

TABLE 89 SOUTH KOREA: NDT MARKET SIZE, BY METHOD, 2014-2022 (USD MILLION)

TABLE 90 OTHERS: NDT MARKET SIZE, BY END-USER, 2014-2022 (USD MILLION)

TABLE 91 OTHERS: NDT MARKET SIZE, BY METHOD, 2014-2022 (USD MILLION)

TABLE 92 BRAND ANALYSIS OF TOP PLAYERS IN NDT MARKET

TABLE 93 NEW PRODUCT LAUNCHES, 2014-2016

TABLE 94 ACQUISITIONS, PARTNERSHIPS, AND AGREEMENTS, 2014–2016

TABLE 95 CONTRACTS, 2014-2016

TABLE 96 EXPANSIONS, 2014-2015

List Of Figures

LIST OF FIGURES

FIGURE 1 MARKETS COVERED: NON-DESTRUCTIVE TESTING MARKET

FIGURE 2 REPORT FLOW

FIGURE 3 NDT MARKET: RESEARCH DESIGN

FIGURE 4 BREAKDOWN OF PRIMARY INTERVIEWS: BY COMPANY TYPE, DESIGNATION, AND REGION

FIGURE 5 GLOBAL INVESTMENTS IN RENEWABLE ENERGY, 2009-2015

FIGURE 6 GLOBAL INVESTMENTS IN RENEWABLE ENERGY SECTOR, 2015 (USD BILLION)

FIGURE 7 TOTAL GROWTH IN AIRCRAFT FLEET SIZE, 2015-2035

FIGURE 8 MARKET SIZE ESTIMATION METHODOLOGY: BOTTOM-UP APPROACH

FIGURE 9 MARKET SIZE ESTIMATION METHODOLOGY: TOP-DOWN APPROACH

FIGURE 10 DATA TRIANGULATION METHODOLOGY

FIGURE 11 NDT MARKET, BY END-USER, 2016 & 2022 (USD MILLION)

FIGURE 12 BRICS TO LEAD NDT MARKET FROM 2014 TO 2022 (USD MILLION)

FIGURE 13 BRICS TO RECORD HIGHEST CAGR DURING FORECAST PERIOD

FIGURE 14 INDIA, A LUCRATIVE MARKET TO INVEST DURING FORECAST PERIOD

FIGURE 15 NEW PRODUCT LAUNCHES KEY GROWTH STRATEGY ADOPTED BY MARKET PLAYERS FROM 2014 TO 2016

FIGURE 16 INCREASING DEMAND FROM OIL & GAS INDUSTRY TO FUEL NDT MARKET GROWTH, FROM 2016 TO 2022

FIGURE 17 OIL & GAS INDUSTRY TO LEAD GLOBAL NDT MARKET, BY END-USER, DURING FORECAST PERIOD

FIGURE 18 SURFACE EXAMINATION TO LEAD GLOBAL NDT MARKET, BY TECHNIQUE, BY 2022

FIGURE 19 BRICS TO LEAD GLOBAL NDT MARKET, BY VALUE, BY 2022

FIGURE 20 BRICS NDT MARKET, BY TECHNIQUE, 2016 & 2022 (USD BILLION)

FIGURE 21 BRICS NDT MARKET, BY END-USER, 2016 & 2020

FIGURE 22 BRICS NDT MARKET TO WITNESS SIGNIFICANT GROWTH DURING FORECAST PERIOD

FIGURE 23 NDT MARKET: TECHNOLOGICAL EVOLUTION

FIGURE 24 NDT MARKET, BY METHOD

FIGURE 25 NDT MARKET, BY TECHNIQUE

FIGURE 26 NDT MARKET, BY APPLICATION

FIGURE 27 NDT MARKET, BY COMPONENT

FIGURE 28 NDT MARKET, BY END-USER

FIGURE 29 STRINGENT GOVERNMENT REGULATIONS AND INCREASED DEMAND FOR NDT TECHNIQUES DRIVING THE GROWTH OF NDT MARKET

FIGURE 30 AGING INFRASTRUCTURE: RELATIONSHIP BETWEEN MAINTENANCE, CONDITION, AND TIME

FIGURE 31 U.S.: EXPENDITURE TO UPGRADE EXISTING INFRASTRUCTURE (USD BILLION)

FIGURE 32 U.S.: NUMBER OF PIPELINE DAMAGE INCIDENTS, 2006-2015

FIGURE 33 AGE PROFILE OF PROFESSIONALS IN EUROPEAN NDT INDUSTRY, BY COUNTRY (2010)

FIGURE 34 COSTS INVOLVED IN DEGREE OF AUTOMATION

FIGURE 35 NEW NUCLEAR REACTORS CONNECTED TO THE GRID GLOBALLY, 2006-2015

FIGURE 36 UPCOMING NUCLEAR REACTORS, BY COUNTRY (2016-2026)

FIGURE 37 WORLDWIDE INFRASTRUCTURE EXPENDITURE ACROSS MAJOR SECTORS, BY REGION, 2010-2025 (USD TRILLION)

FIGURE 38 EMERGING TECHNOLOGY TRENDS IN NDT MARKET

FIGURE 39 VISUAL INSPECTION METHOD SEGMENT LED NDT MARKET, BY METHOD, IN 2016

FIGURE 40 BRICS TO LEAD VISUAL INSPECTION METHOD SEGMENT OF NDT MARKET FROM 2016 TO 2022 (USD MILLION)

FIGURE 41 BRICS TO LEAD MPT METHOD SEGMENT OF NDT MARKET FROM 2016 TO 2022, (USD MILLION)

FIGURE 42 BRICS TO LEAD LPT METHOD SEGMENT OF NDT MARKET, BY 2022 (USD MILLION)

FIGURE 43 LONG RANGE ULTRASONIC INSPECTION PROGRAM

FIGURE 44 BRICS TO LEAD ULTRASONIC TESTING METHOD SEGMENT OF NDT MARKET, FROM 2016 TO 2022

FIGURE 45 BRICS TO LEAD RADIOGRAPHY TESTING METHOD SEGMENT OF NDT MARKET FROM 2016 TO 2022 (USD MILLION)

FIGURE 46 BRICS TO LEAD ECT METHOD SEGMENT OF NDT MARKET, BY 2022 (USD MILLION)

FIGURE 47 SURFACE EXAMINATION TECHNIQUE SEGMENT TO LEAD NDT MARKET, BY TECHNIQUE, FROM 2016 TO 2022 (USD MILLION)

FIGURE 48 G7 NATIONS TO LEAD SURFACE EXAMINATION TECHNIQUE SEGMENT OF NDT MARKET, FROM 2016 TO 2022 (USD MILLION)

FIGURE 49 BRICS TO LEAD VOLUMETRIC EXAMINATION TECHNIQUE SEGMENT OF NDT MARKET FROM 2016 TO 2022 (USD MILLION)

FIGURE 50 BRICS TO LEAD CONDITION MONITORING TECHNIQUE SEGMENT OF

NDT MARKET FROM 2016 TO 2022 (USD MILLION)
FIGURE 51 G7 NATIONS TO LEAD INTEGRITY EXAMINATION TECHNIQUE
SEGMENT OF NDT MARKET FROM 2016 TO 2022 (USD MILLION)
FIGURE 52 OIL & GAS INDUSTRY DOMINATED NDT MARKET IN 2016
FIGURE 53 BRICS TO LEAD GLOBAL NDT MARKET FOR AEROSPACE & DEFENSE
INDUSTRY FROM 2016 TO 2022 (USD MILLION)
FIGURE 54 G7 NATIONS TO LEAD GLOBAL NDT MARKET FOR AUTOMOTIVE
INDUSTRY, FROM 2016 TO 2022 (USD MILLION)
FIGURE 55 BRICS TO LEAD GLOBAL NDT MARKET FOR OIL & GAS INDUSTRY,
FROM 2016 TO 2022 (USD MILLION)
FIGURE 56 BRICS TO LEAD GLOBAL NDT MARKET FOR INFRASTRUCTURE BY
2022 (USD MILLION)
FIGURE 57 BRICS TO LEAD GLOBAL NDT MARKET FOR POWER GENERATION
INDUSTRY, FROM 2016 TO 2022 (USD MILLION)
FIGURE 58 G7 NATIONS TO LEAD GLOBAL NDT MARKET FOR OTHERS, BY 2022
(USD MILLION)
FIGURE 59 G7 NATIONS: MARKET SHARE, COUNTRY-WISE (2016)
FIGURE 60 G7 NATIONS NDT MARKET WITNESSED SIGNIFICANT GROWTH IN
2016, OWING TO CONTRIBUTIONS BY JAPAN AND CANADA
FIGURE 61 G7 NATIONS NDT MARKET SNAPSHOT: 2016
FIGURE 62 BRICS NDT MARKET SNAPSHOT: 2016
FIGURE 63 ROW NDT MARKET SNAPSHOT: 2016
FIGURE 64 COMPANIES ADOPTED CONTRACTS & NEW PRODUCT LAUNCHES
AS KEY GROWTH STRATEGIES FROM 2014 TO 2016
FIGURE 65 NDT MARKET SHARE ANALYSIS, BY KEY PLAYER, 2015
FIGURE 66 NUMBER OF PATENT APPLICATIONS FILED BY OLYMPUS
CORPORATION IN JAPAN
FIGURE 67 NUMBER OF PATENT APPLICATIONS FILED BY OLYMPUS
CORPORATION OVERSEAS
FIGURE 68 STRATEGIC BENCHMARKING IN NDT MARKET, 2014-2016
FIGURE 69 NEW PRODUCT LAUNCHES: KEY GROWTH STRATEGY FROM 2014
TO 2016
FIGURE 70 REGIONAL REVENUE MIX OF TOP FIVE MARKET PLAYERS, 2015
FIGURE 71 FINANCIAL HIGHLIGHTS OF MAJOR PLAYERS IN NDT MARKET, 2016
FIGURE 72 OLYMPUS CORPORATION: COMPANY SNAPSHOT
FIGURE 73 OLYMPUS CORPORATION: SWOT ANALYSIS
FIGURE 74 MISTRAS GROUP, INC.: COMPANY SNAPSHOT
FIGURE 75 MISTRAS GROUP, INC.: SWOT ANALYSIS
FIGURE 76 INTERTEK GROUP PLC: COMPANY SNAPSHOT

FIGURE 77 INTERTEK GROUP PLC: SWOT ANALYSIS

FIGURE 78 SGS SA: COMPANY SNAPSHOT

FIGURE 79 SGS SA: SWOT ANALYSIS

FIGURE 80 GE MEASUREMENT & CONTROL: COMPANY SNAPSHOT

FIGURE 81 GE MEASUREMENT & CONTROL: SWOT ANALYSIS

I would like to order

Product name: Non-Destructive Testing (NDT) Market by Component (Equipment, Services) Method (Ultrasonic, Radiography, Liquid Penetrant, Magnetic) End-User (Oil & Gas, Aerospace & Defense, Automotive, Infra) Technique, Application & Region - Global Forecast to 2022

Product link: <https://marketpublishers.com/r/N895369B157EN.html>

Price: US\$ 5,650.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/N895369B157EN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:
Last name:
Email:
Company:
Address:
City:
Zip code:
Country:
Tel:
Fax:
Your message:

****All fields are required**

Customer signature _____

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below

and fax the completed form to +44 20 7900 3970