

# **X-Ray Detector for Non-Destructive Testing Market by Type (CR System, Static Flat Panel Detector, Dynamic Flat Panel Detector, and Linear Sensor) and Application (Aerospace & Defense, Automotive, Construction, Electronics & Semiconductors, Energy & Power, Explosive Ordnance Disposal (EOD) & Improvised Explosive Device (IED), Heavy Industries, Manufacturing, Marine, Oil & Gas, Security, Transportation, Food Drugs & Drugs, and Others) - Global Opportunities Analysis and Industry Forecast, 2014-2022**

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## **Abstracts**

The global X-ray detector for non-destructive testing market was valued at \$129,939 thousand in 2014, and is estimated to reach \$231,811 thousand by 2023, growing at a CAGR of 7.31% from 2014 to 2022. X-ray detectors are both analog and digital X-ray systems used to detect various defects or irregularities in products without damaging or destroying them. Non-destructive testing (NDT) involves various testing methods to inspect the products without tampering the product. The global X-ray detector for non-destructive testing market is expected to witness significant growth in the future, technological advancements in hardware, such as tubes, sources, and detectors. In addition, continuous upgrades in software contribute significantly toward improving the efficiency of X-ray inspection systems. Industries such as aerospace and automotive witness high adoption rates of X-ray detectors due to their ability to provide high image quality and accuracy.

The global X-ray detector for NDT market is segmented based on type, application, and

region. The type segment is further divided into CR system, static flat panel detector, dynamic flat panel detector, and linear sensor.

Based on application, the market is categorized into aerospace & defense, automotive, construction, electronic & semiconductors, energy & power, explosive ordnance disposal (EOD) & improvised explosive device (IED), heavy industries, manufacturing, marine; oil & gas; security, transportation, food, drugs & drinks, and others (archaeology and forensics). Based on region, the market is analyzed across North America (U.S., Canada, and Mexico), Latin America (Brazil and others), Europe (UK, Germany, France, Russia, and rest of Europe), Middle East (Saudi Arabia, Iran, and others), China, Japan, Asia (India, Taiwan, Korea, and others, excluding China and Japan), Oceania (Australia and others), and Africa and Others.

The key players profiled in the report are Canon Inc., FONA Dental Systems Co. Ltd., FUJIFILM Holdings Corporation, Hamamatsu Photonics K.K., Konica Minolta Inc., Olympus Corporation, PerkinElmer Inc., Rayence Inc., Teledyne DALSA Inc., Toshiba Electron Tubes and Devices Co. Ltd., Trixell S.A.S., Detection Technology, Image Tech, MatriX Technologies GmbH, and X-Scan Imaging Corporation. The report presents analysis on the key strategies adopted by these players and the detailed analysis of the current trends, upcoming opportunities, and restraints of the X-ray detector for non-destructive testing market.

## **KEY BENEFITS FOR STAKEHOLDERS**

In-depth analysis and dynamics of the X-ray detector for non-destructive testing market is provided to understand the market scenario.

Quantitative analysis of the current trends and future estimations from 2014 to 2022 is provided to assist strategists and stakeholders to capitalize on the prevailing market opportunities.

Porter's Five Forces analysis examines the competitive structure and provides a clear understanding of the factors that influence market entry and expansion.

A detailed analysis of the geographical segments enables the identification of profitable segments for market players.

Comprehensive analysis of the trends, subsegments, and key revenue pockets of the market is provided.

## KEY MARKET SEGMENTS

### By Type

CR System

Static Flat Panel Detector (FLAT PANEL DETECTOR)

Dynamic FLAT PANEL DETECTOR

Linear Sensor

### By Application

Aerospace & Defense

Automotive

Construction

Electronic & Semiconductors

Energy & Power

Explosive Ordnance Disposal (EOD) & Improvised Explosive Device (IED)

Heavy Industries

Manufacturing

Marine

Oil & Gas

Security

Transportation

Food, Drugs & Drinks

Others (Archaeology, Forensics, etc.)

## By Region

North America

U.S.

Canada

Mexico

Others

Latin America

Brazil

Others

Europe

Germany

UK

France

Russia

Others

Middle East

Saudi Arabia

Iran

Others

China

Japan

Asia

India

Taiwan

Korea

Others

Oceania

Australia

Others

Africa and Others

## Contents

### **CHAPTER 1 INTRODUCTION**

- 1.1. REPORT DESCRIPTION
- 1.2. KEY BENEFITS
- 1.3. KEY MARKET SEGMENTS
- 1.4. RESEARCH METHODOLOGY
  - 1.4.1. Secondary research
  - 1.4.2. Primary research
  - 1.4.3. Analyst tools and models

### **CHAPTER 2 EXECUTIVE SUMMARY**

- 2.1. CXO PERSPECTIVE

### **CHAPTER 3 MARKET OVERVIEW**

- 3.1. MARKET DEFINITION AND SCOPE
- 3.2. PORTERS FIVE FORCES ANALYSIS
- 3.3. PESTEL ANALYSIS
- 3.4. MARKET DYNAMICS
  - 3.4.1. Drivers
    - 3.4.1.1. Improved quality and reduced prices
    - 3.4.1.2. Increase in demand for automated technology
  - 3.4.2. Restraint
    - 3.4.2.1. Heavy initial investment and stringent regulatory procedures
  - 3.4.3. Opportunity
    - 3.4.3.1. Flat panel x-ray detectors gaining popularity
- 3.5. MARKET TRENDS AND TECHNOLOGY TRENDS
- 3.6. MARKET SHARE ANALYSIS, 2016
  - 3.6.1. Player market share, 2016
  - 3.6.2. List of main product models of main players

### **CHAPTER 4 X-RAY DETECTOR FOR NON-DESTRUCTIVE TESTING MARKET, BY TYPE**

- 4.1. OVERVIEW
  - 4.1.1. Market size and forecast

## 4.2. CR SYSTEM

4.2.1. Key market trends, growth factors, and opportunities

4.2.2. Market size and forecast

## 4.3. STATIC FLAT PANEL DETECTOR

4.3.1. Key market trends, growth factors, and opportunities

4.3.2. Market size and forecast

## 4.4. DYNAMIC FLAT PANEL DETECTOR

4.4.1. Key market trends, growth factors, and opportunities

4.4.2. Market size and forecast

## 4.5. LINEAR SENSOR

4.5.1. Key market trends, growth factors, and opportunities

4.5.2. Market size and forecast

# **CHAPTER 5 X-RAY DETECTOR FOR NON-DESTRUCTIVE TESTING MARKET, BY APPLICATION**

## 5.1. OVERVIEW

5.1.1. Market size and forecast

## 5.2. AEROSPACE & DEFENSE

5.2.1. Key market trends, growth factors, and opportunities

5.2.2. Market size and forecast

## 5.3. AUTOMOTIVE

5.3.1. Key market trends, growth factors, and opportunities

5.3.2. Market size and forecast

## 5.4. CONSTRUCTION

5.4.1. Key market trends, growth factors, and opportunities

5.4.2. Market size and forecast

## 5.5. ELECTRONICS & SEMICONDUCTORS

5.5.1. Key market trends, growth factors, and opportunities

5.5.2. Market size and forecast

## 5.6. ENERGY & POWER

5.6.1. Key market trends, growth factors, and opportunities

5.6.2. Market size and forecast

## 5.7. EXPLOSIVE ORDNANCE DISPOSAL (EOD) & IMPROVISED EXPLOSIVE DEVICE (IED)

5.7.1. Key market trends, growth factors, and opportunities

5.7.2. Market size and forecast

## 5.8. HEAVY INDUSTRIES

5.8.1. Key market trends, growth factors, and opportunities

5.8.2. Market size and forecast

## 5.9. MANUFACTURING

5.9.1. Key market trends, growth factors, and opportunities

5.9.2. Market size and forecast

## 5.10. MARINE

5.10.1. Key market trends, growth factors, and opportunities

5.10.2. Market size and forecast

## 5.11. OIL & GAS

5.11.1. Key market trends, growth factors, and opportunities

5.11.2. Market size and forecast

## 5.12. SECURITY

5.12.1. Key market trends, growth factors, and opportunities

5.12.2. Market size and forecast

## 5.13. TRANSPORTATION

5.13.1. Key market trends, growth factors, and opportunities

5.13.2. Market size and forecast

## 5.14. FOOD, DRUG & DRINKS

5.14.1. Key market trends, growth factors, and opportunities

5.14.2. Market size and forecast

## 5.15. OTHERS (ARCHAEOLOGY, FORENSICS, ETC.)

5.15.1. Key market trends, growth factors, and opportunities

5.15.2. Market size and forecast

## **CHAPTER 6 X-RAY DETECTOR FOR NON-DESTRUCTIVE TESTING MARKET, BY GEOGRAPHY**

### 6.1. OVERVIEW

6.1.1. Market size and forecast

### 6.2. NORTH AMERICA

6.2.1. Key market trends, growth factors, and opportunities

6.2.2. Market size and forecast

6.2.3. U.S.

6.2.3.1. Market size and forecast

6.2.4. Canada

6.2.4.1. Market size and forecast

6.2.5. Mexico

6.2.5.1. Market size and forecast

6.2.6. Others

6.2.6.1. Market size and forecast



### 6.3. LATIN AMERICA

6.3.1. Key market trends, growth factors, and opportunities

6.3.2. Market size and forecast

6.3.3. Brazil

6.3.3.1. Market size and forecast

6.3.4. Others

6.3.4.1. Market size and forecast

### 6.4. EUROPE

6.4.1. Key market trends, growth factors, and opportunities

6.4.2. Market size and forecast

6.4.3. UK

6.4.3.1. Market size and forecast

6.4.4. Germany

6.4.4.1. Market size and forecast

6.4.5. France

6.4.5.1. Market size and forecast

6.4.6. Russia

6.4.6.1. Market size and forecast

6.4.7. Others

6.4.7.1. Market size and forecast

### 6.5. MIDDLE EAST

6.5.1. Key market trends, growth factors, and opportunities

6.5.2. Market size and forecast

6.5.3. Saudi Arabia

6.5.3.1. Market size and forecast

6.5.4. Iran

6.5.4.1. Market size and forecast

6.5.5. Others

6.5.5.1. Market size and forecast

### 6.6. CHINA

6.6.1. Key market trends, growth factors, and opportunities

6.6.2. Market size and forecast

### 6.7. JAPAN

6.7.1. Key market trends, growth factors, and opportunities

6.7.2. Market size and forecast

### 6.8. ASIA

6.8.1. Key market trends, growth factors, and opportunities

6.8.2. Market size and forecast

6.8.3. India

- 6.8.3.1. Market size and forecast
- 6.8.4. Taiwan
  - 6.8.4.1. Market size and forecast
- 6.8.5. Korea
  - 6.8.5.1. Market size and forecast
- 6.8.6. Others
  - 6.8.6.1. Market size and forecast
- 6.9. OCEANIA
  - 6.9.1. Key market trends, growth factors, and opportunities
  - 6.9.2. Market size and forecast
  - 6.9.3. Australia
    - 6.9.3.1. Market size and forecast
  - 6.9.4. Others
    - 6.9.4.1. Market size and forecast
- 6.10. AFRICA AND OTHERS
  - 6.10.1. Key market trends, growth factors, and opportunities
  - 6.10.2. Market size and forecast

## **CHAPTER 7 COMPANY PROFILES**

- 7.1. X-SCAN IMAGING CORPORATION
  - 7.1.1. Company overview
  - 7.1.2. Business performance
  - 7.1.3. Sales and services channels
- 7.2. RAYENCE
  - 7.2.1. Company overview
  - 7.2.2. Business performance
  - 7.2.3. Sales and services channels
- 7.3. TRIXELL
  - 7.3.1. Company overview
  - 7.3.2. Business performance
  - 7.3.3. Sales and service channels
- 7.4. MATRIX TECHNOLOGIES GMBH
  - 7.4.1. Company overview
  - 7.4.2. Business performance
  - 7.4.3. Sales and service channels
- 7.5. TOSHIBA ELECTRON TUBES & DEVICES CO., LTD.
  - 7.5.1. Company overview
  - 7.5.2. Business performance

- 7.5.3. Sales and service channels
- 7.6. TELEDYNE DALSA INC.
  - 7.6.1. Company overview
  - 7.6.2. Business performance
  - 7.6.3. Sales and service channels
- 7.7. IMAGE TECH, INC.
  - 7.7.1. Company overview
  - 7.7.2. Business performance
  - 7.7.3. Sales and service channels
- 7.8. FONA DENTAL
  - 7.8.1. Company overview
  - 7.8.2. Business performance
  - 7.8.3. Sales and service channels
- 7.9. DETECTION TECHNOLOGY
  - 7.9.1. Company overview
  - 7.9.2. Business performance
  - 7.9.3. Sales and service channels
- 7.10. HAMAMATSU PHOTONICS
  - 7.10.1. Company overview
  - 7.10.2. Business performance
  - 7.10.3. Sales and service channels
- 7.11. PERKINELMER
  - 7.11.1. Company overview
  - 7.11.2. Business performance
  - 7.11.3. Sales and service channels
- 7.12. OLYMPUS
  - 7.12.1. Company overview
  - 7.12.2. Business performance
  - 7.12.3. Sales and service channels
- 7.13. CANON INC.
  - 7.13.1. Company overview
  - 7.13.2. Business performance
  - 7.13.3. Sales and service channels
- 7.14. FUJIFILM CORPORATION
  - 7.14.1. Company overview
  - 7.14.2. Business performance
  - 7.14.3. Sales and service channels
- 7.15. KONICA MINOLTA, INC.
  - 7.15.1. Company overview

- 7.15.2. Business performance
- 7.15.3. Sales and service channels
- 7.16. GENERAL ELECTRIC CORPORATION
  - 7.16.1. Company overview
  - 7.16.2. Business performance
  - 7.16.3. Sales and services channels
- 7.17. IRAY TECHNOLOGY
  - 7.17.1. Company overview
  - 7.17.2. Sales and service channels
- 7.18. VARIAN MEDICAL SYSTEMS, INC.
  - 7.18.1. Company overview
  - 7.18.2. Business performance
  - 7.18.3. Sales and service channels
- 7.19. SENS-TECH LTD.
  - 7.19.1. Company overview
  - 7.19.2. Sales and service channels
- 7.20. ANALOGIC CORPORATION
  - 7.20.1. Company overview
  - 7.20.2. Business performance
  - 7.20.3. Sales and services channels
- 7.21. ICRCO
  - 7.21.1. Company overview
  - 7.21.2. Business performance
  - 7.21.3. Sales and services channels
- 7.22. IBA DOSIMETRY
  - 7.22.1. Company overview
  - 7.22.2. Business Performance
  - 7.22.3. Sales and services channel
- 7.23. COMPUTERISED INFORMATION TECHNOLOGY LTD.
  - 7.23.1. Company overview
  - 7.23.2. Business performance
  - 7.23.3. Sales and services channel

## List Of Tables

### LIST OF TABLES

TABLE 1. LIST OF MAIN PRODUCT MODELS OF MAIN PLAYERS

TABLE 2. GLOBAL X-RAY DETECTOR FOR NON-DESTRUCTIVE TESTING MARKET, BY TYPE, 2014-2022 (\$THOUSAND)

TABLE 3. X-RAY DETECTOR FOR NON-DESTRUCTIVE TESTING MARKET FOR CR SYSTEM, BY GEOGRAPHY, 2014-2022 (\$THOUSAND)

TABLE 4. X-RAY DETECTOR FOR NON-DESTRUCTIVE TESTING MARKET FOR STATIC FLAT PANEL, BY GEOGRAPHY, 2014-2022 (\$THOUSAND)

TABLE 5. X-RAY DETECTOR FOR NON-DESTRUCTIVE TESTING MARKET FOR DYNAMIC FLAT PANEL DETECTOR, BY GEOGRAPHY, 2014-2022 (\$THOUSAND)

TABLE 6. X-RAY DETECTOR FOR NON-DESTRUCTIVE TESTING MARKET FOR LINEAR SENSOR, BY GEOGRAPHY, 2014-2022 (\$THOUSAND)

TABLE 7. GLOBAL X-RAY DETECTOR FOR NON-DESTRUCTIVE TESTING MARKET, BY APPLICATION, 2014-2022 (\$THOUSAND)

TABLE 8. X-RAY DETECTOR FOR NON-DESTRUCTIVE TESTING MARKET FOR AEROSPACE & DEFENSE APPLICATION, BY GEOGRAPHY, 2014-2022 (\$THOUSAND)

TABLE 9. X-RAY DETECTOR FOR NON-DESTRUCTIVE TESTING MARKET FOR AUTOMOTIVE APPLICATION, BY GEOGRAPHY, 2014-2022 (\$THOUSAND)

TABLE 10. X-RAY DETECTOR FOR NON-DESTRUCTIVE TESTING MARKET FOR CONSTRUCTION APPLICATION, BY GEOGRAPHY, 2014-2022 (\$THOUSAND)

TABLE 11. X-RAY DETECTOR FOR NON-DESTRUCTIVE TESTING MARKET FOR ELECTRONICS & SEMICONDUCTOR APPLICATION, BY GEOGRAPHY, 2014-2022 (\$THOUSAND)

TABLE 12. X-RAY DETECTOR FOR NON-DESTRUCTIVE TESTING MARKET FOR ENERGY & POWER APPLICATION, BY GEOGRAPHY, 2014-2022 (\$THOUSAND)

TABLE 13. X-RAY DETECTOR FOR NON-DESTRUCTIVE TESTING MARKET FOR EXPLOSIVE ORDNANCE DISPOSAL (EOD) & IMPROVISED EXPLOSIVE DEVICE (IED) APPLICATION, BY GEOGRAPHY, 2014-2022 (\$THOUSAND)

TABLE 14. X-RAY DETECTOR FOR NON-DESTRUCTIVE TESTING MARKET FOR HEAVY INDUSTRIES APPLICATION, BY GEOGRAPHY, 2014-2022 (\$THOUSAND)

TABLE 15. X-RAY DETECTOR FOR NON-DESTRUCTIVE TESTING MARKET FOR MANUFACTURING APPLICATION, BY GEOGRAPHY, 2014-2022 (\$THOUSAND)

TABLE 16. X-RAY DETECTOR FOR NON-DESTRUCTIVE TESTING MARKET FOR MARINE APPLICATION, BY GEOGRAPHY, 2014-2022 (\$THOUSAND)

TABLE 17. X-RAY DETECTOR FOR NON-DESTRUCTIVE TESTING MARKET FOR

OIL & GAS APPLICATION, BY GEOGRAPHY, 2014-2022 (\$THOUSAND)

TABLE 18. X-RAY DETECTOR FOR NON-DESTRUCTIVE TESTING MARKET FOR SECURITY APPLICATION, BY GEOGRAPHY, 2014-2022 (\$THOUSAND)

TABLE 19. X-RAY DETECTOR FOR NON-DESTRUCTIVE TESTING MARKET FOR TRANSPORTATION APPLICATION, BY GEOGRAPHY, 2014-2022 (\$THOUSAND)

TABLE 20. X-RAY DETECTOR FOR NON-DESTRUCTIVE TESTING FOR FOOD, DRUGS & DRINKS APPLICATION, BY GEOGRAPHY, 2014-2022 (\$THOUSAND)

TABLE 21. X-RAY DETECTOR FOR NON-DESTRUCTIVE TESTING MARKET FOR OTHER APPLICATIONS, BY GEOGRAPHY, 2014-2022 (\$THOUSAND)

TABLE 22. X-RAY DETECTOR FOR NON-DESTRUCTIVE TESTING MARKET, BY GEOGRAPHY, 2014-2022 (\$THOUSAND)

TABLE 23. NORTH AMERICA X-RAY DETECTOR FOR NON-DESTRUCTIVE TESTING MARKET, BY TYPE, 2014-2022 (\$THOUSAND)

TABLE 24. NORTH AMERICA X-RAY DETECTOR FOR NON-DESTRUCTIVE TESTING MARKET, BY APPLICATION, 2014-2022 (\$THOUSAND)

TABLE 25. NORTH AMERICA X-RAY DETECTOR FOR NON-DESTRUCTIVE TESTING MARKET, BY COUNTRY, 2014-2022 (\$THOUSAND)

TABLE 26. LATIN AMERICA X-RAY DETECTOR FOR NON-DESTRUCTIVE TESTING MARKET, BY TYPE, 2014-2022 (\$THOUSAND)

TABLE 27. LATIN AMERICA X-RAY DETECTOR FOR NON-DESTRUCTIVE TESTING MARKET, BY APPLICATION, 2014-2022 (\$THOUSAND)

TABLE 28. LATIN AMERICA X-RAY DETECTOR FOR NON-DESTRUCTIVE TESTING MARKET, BY COUNTRY, 2014-2022 (\$THOUSAND)

TABLE 29. EUROPE X-RAY DETECTOR FOR NON-DESTRUCTIVE TESTING MARKET, BY TYPE, 2014-2022 (\$THOUSAND)

TABLE 30. EUROPE X-RAY DETECTOR FOR NON-DESTRUCTIVE TESTING MARKET, BY APPLICATION, 2014-2022 (\$THOUSAND)

TABLE 31. EUROPE X-RAY DETECTOR FOR NON-DESTRUCTIVE TESTING MARKET, BY COUNTRY, 2014-2022 (\$THOUSAND)

TABLE 32. MIDDLE EAST X-RAY DETECTOR FOR NON-DESTRUCTIVE TESTING MARKET, BY TYPE, 2014-2022 (\$THOUSAND)

TABLE 33. MIDDLE EAST X-RAY DETECTOR FOR NON-DESTRUCTIVE TESTING MARKET, BY APPLICATION, 2014-2022 (\$THOUSAND)

TABLE 34. MIDDLE EAST X-RAY DETECTOR FOR NON-DESTRUCTIVE TESTING MARKET, BY COUNTRY, 2014-2022 (\$THOUSAND)

TABLE 35. CHINA X-RAY DETECTOR FOR NON-DESTRUCTIVE TESTING MARKET, BY TYPE, 2014-2022 (\$THOUSAND)

TABLE 36. CHINA X-RAY DETECTOR FOR NON-DESTRUCTIVE TESTING MARKET, BY APPLICATION, 2014-2022 (\$THOUSAND)

TABLE 37. JAPAN X-RAY DETECTOR FOR NON-DESTRUCTIVE TESTING MARKET, BY TYPE, 2014-;2022 (\$THOUSAND)

TABLE 38. JAPAN X-RAY DETECTOR FOR NON-DESTRUCTIVE TESTING MARKET, BY APPLICATION, 2014-2022 (\$THOUSAND)

TABLE 39. ASIA X-RAY DETECTOR FOR NON-DESTRUCTIVE TESTING MARKET, BY TYPE, 2014-2022 (\$THOUSAND)

TABLE 40. ASIA X-RAY DETECTOR FOR NON-DESTRUCTIVE TESTING MARKET, BY APPLICATION, 2014-2022 (\$THOUSAND)

TABLE 41. ASIA X-RAY DETECTOR FOR NON-DESTRUCTIVE TESTING MARKET, BY COUNTRY, 2014-2022 (\$THOUSAND)

TABLE 42. OCEANIA X-RAY DETECTOR FOR NON-DESTRUCTIVE TESTING MARKET, BY TYPE, 2014-2022 (\$THOUSAND)

TABLE 43. OCEANIA X-RAY DETECTOR FOR NON-DESTRUCTIVE TESTING MARKET, BY APPLICATION, 2014-2022 (\$THOUSAND)

TABLE 44. OCEANIA X-RAY DETECTOR FOR NON-DESTRUCTIVE TESTING MARKET, BY COUNTRY, 2014-2022 (\$THOUSAND)

TABLE 45. AFRICA AND OTHERS X-RAY DETECTOR FOR NON-DESTRUCTIVE TESTING MARKET, BY TYPE, 2014-2022 (\$THOUSAND)

TABLE 46. AFRICA AND OTHERS X-RAY DETECTOR FOR NON-DESTRUCTIVE TESTING MARKET, BY APPLICATION, 2014-2022 (\$THOUSAND)

TABLE 47. X-SCAN IMAGING CORPORATION: COMPANY SNAPSHOT

TABLE 48. X-SCAN IMAGING CORPORATION: BUSINESS PERFORMANCE

TABLE 49. X-SCAN IMAGING CORPORATION: SALES AND SERVICE CHANNELS

TABLE 50. RAYENCE: COMPANY SNAPSHOT

TABLE 51. RAYENCE: BUSINESS PERFORMANCE

TABLE 52. RAYENCE: SALES AND SERVICE CHANNELS

TABLE 53. TRIXELL: COMPANY SNAPSHOT

TABLE 54. TRIXELL: BUSINESS PERFORMANCE

TABLE 55. TRIXELL: SALES AND SERVICE CHANNELS

TABLE 56. MATRIX TECHNOLOGIES GMBH: COMPANY SNAPSHOT

TABLE 57. MATRIX TECHNOLOGIES GMBH: BUSINESS PERFORMANCE

TABLE 58. MATRIX TECHNOLOGIES GMBH: SALES AND SERVICE CHANNELS

TABLE 59. TOSHIBA ELECTRON TUBES & DEVICES CO., LTD.: COMPANY SNAPSHOT

TABLE 60. TOSHIBA ELECTRON TUBES & DEVICES CO., LTD.: BUSINESS PERFORMANCE

TABLE 61. TOSHIBA ELECTRON TUBES & DEVICES CO., LTD.: SALES AND SERVICE CHANNELS

TABLE 62. TELEDYNE DALSA INC.: COMPANY SNAPSHOT

TABLE 63. TELEDYNE DALSA INC.: BUSINESS PERFORMANCE

TABLE 64. TELEDYNE DALSA INC.: SALES AND SERVICE CHANNELS

TABLE 65. IMAGE TECH, INC.: COMPANY SNAPSHOT

TABLE 66. IMAGE TECH, INC.: BUSINESS PERFORMANCE

TABLE 67. IMAGE TECH, INC.: SALES AND SERVICE CHANNELS

TABLE 68. FONA DENTAL: COMPANY SNAPSHOT

TABLE 69. FONA DENTAL: BUSINESS PERFORMANCE

TABLE 70. FONA DENTAL: SALES AND SERVICE CHANNELS

TABLE 71. DETECTION TECHNOLOGY: COMPANY SNAPSHOT

TABLE 72. DETECTION TECHNOLOGY: BUSINESS PERFORMANCE

TABLE 73. DETECTION TECHNOLOGY: SALES AND SERVICE CHANNELS

TABLE 74. HAMAMATSU PHOTONICS: COMPANY SNAPSHOT

TABLE 75. HAMAMATSU PHOTONICS: BUSINESS PERFORMANCE

TABLE 76. PERKINELMER: COMPANY SNAPSHOT

TABLE 77. PERKINELMER: BUSINESS PERFORMANCE

TABLE 78. PERKINELMER: SALES AND SERVICE CHANNELS

TABLE 79. OLYMPUS: COMPANY SNAPSHOT

TABLE 80. OLYMPUS: SALES AND SERVICE CHANNELS

TABLE 81. CANON INC.: COMPANY SNAPSHOT

TABLE 82. CANON INC.: BUSINESS PERFORMANCE

TABLE 83. CANON INC.: SALES AND SERVICE CHANNELS

TABLE 84. FUJIFILM CORPORATION: COMPANY SNAPSHOT

TABLE 85. FUJIFILM CORPORATION: BUSINESS PERFORMANCE

TABLE 86. FUJIFILM CORPORATION: SALES AND SERVICE CHANNELS

TABLE 87. KONICA MINOLTA, INC.: COMPANY SNAPSHOT

TABLE 88. KONICA MINOLTA, INC.: BUSINESS PERFORMANCE

TABLE 89. KONICA MINOLTA, INC.: SALES AND SERVICE CHANNELS

TABLE 90. GENERAL ELECTRIC CORPORATION: COMPANY SNAPSHOT

TABLE 91. GENERAL ELECTRIC CORPORATION: BUSINESS PERFORMANCE

TABLE 92. GENERAL ELECTRIC CORPORATION: SALES AND SERVICE CHANNELS

TABLE 93. IRAY TECHNOLOGY: COMPANY SNAPSHOT

TABLE 94. IRAY TECHNOLOGY: BUSINESS PERFORMANCE

TABLE 95. IRAY TECHNOLOGY: SALES AND SERVICE CHANNELS

TABLE 96. VARIAN MEDICAL SYSTEMS, INC.: COMPANY SNAPSHOT

TABLE 97. VARIAN MEDICAL SYSTEMS, INC.: BUSINESS PERFORMANCE

TABLE 98. VARIAN MEDICAL SYSTEMS, INC.: SALES AND SERVICE CHANNELS

TABLE 99. SENS-TECH LTD.: COMPANY SNAPSHOT

TABLE 100. SENS-TECH LTD.: BUSINESS PERFORMANCE



TABLE 101. SENS-TECH LTD.: SALES AND SERVICE CHANNELS

TABLE 102. ANALOGIC CORPORATION: COMPANY SNAPSHOT

TABLE 103. ANALOGIC CORPORATION: BUSINESS PERFORMANCE

TABLE 104. ANALOGIC CORPORATION: SALES AND SERVICE CHANNELS

TABLE 105. ICRCO: COMPANY SNAPSHOT

TABLE 106. ICRCO: BUSINESS PERFORMANCE

TABLE 107. ICRCO: SALES AND SERVICES CHANNELS

TABLE 108. IBA DOSIMETRY: COMPANY SNAPSHOT

TABLE 109. IBA DOSIMETRY: BUSINESS PERFORMANCE

TABLE 110. IBA DOSIMETRY.: SALES AND SERVICE CHANNELS

TABLE 111. COMPUTERISED INFORMATION TECHNOLOGY LTD: COMPANY SNAPSHOT

TABLE 112. COMPUTERISED INFORMATION TECHNOLOGY LTD: BUSINESS PERFORMANCE

TABLE 113. COMPUTERISED INFORMATION TECHNOLOGY LTD: SALES AND SERVICES CHANNELS

## List Of Figures

### LIST OF FIGURES

FIGURE 1. SEGMENTATION

FIGURE 2. PORTERS FIVE FORCES ANALYSIS

FIGURE 3. MARKET SHARE ANALYSIS, 2016

FIGURE 4. X-RAY DETECTOR FOR NON-DESTRUCTIVE TESTING MARKET, BY TYPE

FIGURE 5. GLOBAL X-RAY DETECTOR FOR NON-DESTRUCTIVE TESTING MARKET SEGMENTATION, BY TYPE

FIGURE 6. COMPARATIVE REGIONAL SHARE ANALYSIS OF X-RAY DETECTOR FOR NON-DESTRUCTIVE TESTING MARKET FOR CR SYSTEM, 2015 & 2022 (%)

FIGURE 7. COMPARATIVE REGIONAL SHARE ANALYSIS OF X-RAY DETECTOR FOR NON-DESTRUCTIVE TESTING MARKET FOR STATIC FLAT PANEL, 2015 & 2022 (%)

FIGURE 8. COMPARATIVE REGIONAL SHARE ANALYSIS OF X-RAY DETECTOR FOR NON-DESTRUCTIVE TESTING MARKET FOR DYNAMIC FLAT PANEL DETECTOR, 2015 & 2022 (%)

FIGURE 9. COMPARATIVE REGIONAL SHARE ANALYSIS OF X-RAY DETECTOR FOR NON-DESTRUCTIVE TESTING MARKET FOR LINEAR SENSOR, 2015 & 2022 (%)

FIGURE 10. X-RAY DETECTOR FOR NON-DESTRUCTIVE TESTING MARKET, BY APPLICATION

FIGURE 11. GLOBAL X-RAY DETECTOR FOR NON-DESTRUCTIVE TESTING MARKET SEGMENTATION, BY APPLICATION

FIGURE 12. COMPARATIVE REGIONAL SHARE ANALYSIS OF X-RAY DETECTOR FOR NON-DESTRUCTIVE TESTING MARKET FOR AEROSPACE & DEFENSE APPLICATION, 2015 & 2022 (%)

FIGURE 13. COMPARATIVE REGIONAL SHARE ANALYSIS OF X-RAY DETECTOR FOR NON-DESTRUCTIVE TESTING MARKET FOR AUTOMOTIVE APPLICATION, 2015 & 2022 (%)

FIGURE 14. COMPARATIVE REGIONAL SHARE ANALYSIS OF X-RAY DETECTOR FOR NON-DESTRUCTIVE TESTING MARKET FOR CONSTRUCTION APPLICATION, 2015 & 2022 (%)

FIGURE 15. COMPARATIVE REGIONAL SHARE ANALYSIS OF X-RAY DETECTOR FOR NON-DESTRUCTIVE TESTING MARKET FOR ELECTRONICS & SEMICONDUCTOR APPLICATION, 2015 & 2022 (%)

FIGURE 16. COMPARATIVE REGIONAL SHARE ANALYSIS OF X-RAY DETECTOR

FOR NON-DESTRUCTIVE TESTING MARKET FOR ENERGY & POWER APPLICATION, 2015 & 2022 (%)

FIGURE 17. COMPARATIVE REGIONAL SHARE ANALYSIS OF X-RAY DETECTOR FOR NON-DESTRUCTIVE TESTING MARKET FOR EXPLOSIVE ORDNANCE DISPOSAL (EOD) & IMPROVISED EXPLOSIVE DEVICE (IED) APPLICATION, 2015 & 2022 (%)

FIGURE 18. COMPARATIVE REGIONAL SHARE ANALYSIS OF X-RAY DETECTOR FOR NON-DESTRUCTIVE TESTING MARKET FOR HEAVY INDUSTRIES APPLICATION, 2015 & 2022 (%)

FIGURE 19. COMPARATIVE REGIONAL SHARE ANALYSIS OF X-RAY DETECTOR FOR NON-DESTRUCTIVE TESTING MARKET FOR MANUFACTURING APPLICATION, 2015 & 2022 (%)

FIGURE 20. COMPARATIVE REGIONAL SHARE ANALYSIS OF X-RAY DETECTOR FOR NON-DESTRUCTIVE TESTING MARKET FOR MARINE APPLICATION, 2015 & 2022 (%)

FIGURE 21. COMPARATIVE REGIONAL SHARE ANALYSIS OF GLOBAL X-RAY DETECTOR FOR NON-DESTRUCTIVE TESTING MARKET FOR OIL & GAS APPLICATION, 2015 & 2022 (%)

FIGURE 22. COMPARATIVE REGIONAL SHARE ANALYSIS OF X-RAY DETECTOR FOR NON-DESTRUCTIVE TESTING MARKET FOR SECURITY APPLICATION, 2015 & 2022 (%)

FIGURE 23. COMPARATIVE REGIONAL SHARE ANALYSIS OF X-RAY DETECTOR FOR NON-DESTRUCTIVE TESTING MARKET FOR TRANSPORTATION APPLICATION, 2015 & 2022 (%)

FIGURE 24. COMPARATIVE REGIONAL SHARE ANALYSIS OF X-RAY DETECTOR FOR NON-DESTRUCTIVE TESTING MARKET FOR FOOD, DRUGS & DRINKS APPLICATION, 2015 & 2022 (%)

FIGURE 25. COMPARATIVE REGIONAL SHARE ANALYSIS OF X-RAY DETECTOR FOR NON-DESTRUCTIVE TESTING MARKET FOR OTHER APPLICATIONS, 2015 & 2022 (%)

FIGURE 26. X-RAY DETECTOR FOR NON-DESTRUCTIVE TESTING MARKET, BY GEOGRAPHY, MARKET SHARE, 2015

FIGURE 27. NORTH AMERICA X-RAY DETECTOR FOR NON-DESTRUCTIVE TESTING MARKET

FIGURE 28. U.S. X-RAY DETECTOR FOR NON-DESTRUCTIVE TESTING MARKET, 2014-2022 (\$THOUSAND)

FIGURE 29. CANADA X-RAY DETECTOR FOR NON-DESTRUCTIVE TESTING MARKET, 2014-2022 (\$THOUSAND)

FIGURE 30. MEXICO X-RAY DETECTOR FOR NON-DESTRUCTIVE TESTING

MARKET, 2014-2022 (\$THOUSAND)

FIGURE 31. OTHERS X-RAY DETECTOR FOR NON-DESTRUCTIVE TESTING

MARKET, 2014-2022 (\$THOUSAND)

FIGURE 32. LATIN AMERICA X-RAY DETECTOR FOR NON-DESTRUCTIVE TESTING MARKET

FIGURE 33. BRAZIL X-RAY DETECTOR FOR NON-DESTRUCTIVE TESTING MARKET, 2014-2022 (\$THOUSAND)

FIGURE 34. OTHERS X-RAY DETECTOR FOR NON-DESTRUCTIVE TESTING MARKET, 2014-2022 (\$THOUSAND)

FIGURE 35. EUROPE X-RAY DETECTOR FOR NON-DESTRUCTIVE TESTING MARKET

FIGURE 36. UK X-RAY DETECTOR FOR NON-DESTRUCTIVE TESTING MARKET, 2014-2022 (\$THOUSAND)

FIGURE 37. GERMANY X-RAY DETECTOR FOR NON-DESTRUCTIVE TESTING MARKET, 2014-2022 (\$THOUSAND)

FIGURE 38. FRANCE X-RAY DETECTOR FOR NON-DESTRUCTIVE TESTING MARKET, 2014-2022 (\$THOUSAND)

FIGURE 39. RUSSIA X-RAY DETECTOR FOR NON-DESTRUCTIVE TESTING MARKET, 2014-2022 (\$THOUSAND)

FIGURE 40. OTHERS X-RAY DETECTOR FOR NON-DESTRUCTIVE TESTING MARKET, 2014-2022 (\$THOUSAND)

FIGURE 41. MIDDLE EAST X-RAY DETECTOR FOR NON-DESTRUCTIVE TESTING MARKET

FIGURE 42. SAUDI ARABIA X-RAY DETECTOR FOR NON-DESTRUCTIVE TESTING MARKET, 2014-2022 (\$THOUSAND)

FIGURE 43. IRAN X-RAY DETECTOR FOR NON-DESTRUCTIVE TESTING MARKET, 2014-2022 (\$THOUSAND)

FIGURE 44. OTHERS X-RAY DETECTOR FOR NON-DESTRUCTIVE TESTING MARKET, 2014-2022 (\$THOUSAND)

FIGURE 45. CHINA X-RAY DETECTOR FOR NON-DESTRUCTIVE TESTING MARKET

FIGURE 46. CHINA X-RAY DETECTOR FOR NON-DESTRUCTIVE TESTING MARKET, 2014-2022 (\$THOUSAND)

FIGURE 47. JAPAN X-RAY DETECTOR FOR NON-DESTRUCTIVE TESTING MARKET

FIGURE 48. JAPAN X-RAY DETECTOR FOR NON-DESTRUCTIVE TESTING MARKET, 2014-2022 (\$THOUSAND)

FIGURE 49. ASIA X-RAY DETECTOR FOR NON-DESTRUCTIVE TESTING MARKET

FIGURE 50. INDIA X-RAY DETECTOR FOR NON-DESTRUCTIVE TESTING

MARKET, 2014-2022 (\$THOUSAND)

FIGURE 51. TAIWAN X-RAY DETECTOR FOR NON-DESTRUCTIVE TESTING MARKET, 2014-2022 (\$THOUSAND)

FIGURE 52. KOREA X-RAY DETECTOR FOR NON-DESTRUCTIVE TESTING MARKET, 2014-2022 (\$THOUSAND)

FIGURE 53. OTHERS X-RAY DETECTOR FOR NON-DESTRUCTIVE TESTING MARKET, 2014-2022 (\$THOUSAND)

FIGURE 54. OCEANIA X-RAY DETECTOR FOR NON-DESTRUCTIVE TESTING MARKET

FIGURE 55. AUSTRALIA X-RAY DETECTOR FOR NON-DESTRUCTIVE TESTING MARKET, 2014-2022 (\$THOUSAND)

FIGURE 56. OTHERS X-RAY DETECTOR FOR NON-DESTRUCTIVE TESTING MARKET, 2014-2022 (\$THOUSAND)

FIGURE 57. AFRICA AND OTHERS X-RAY DETECTOR FOR NON-DESTRUCTIVE TESTING MARKET

FIGURE 58. AFRICA AND OTHERS X-RAY DETECTOR FOR NON-DESTRUCTIVE TESTING MARKET, 2014-2022 (\$THOUSAND)

FIGURE 59. X-SCAN IMAGING CORPORATION: SALES AND SERVICE CHANNELS

FIGURE 60. RAYENCE: SALES AND SERVICE CHANNELS

FIGURE 61. TRIXELL: SALES AND SERVICE CHANNELS

FIGURE 62. MATRIX TECHNOLOGIES GMBH: SALES AND SERVICE CHANNELS

FIGURE 63. TOSHIBA ELECTRON TUBES & DEVICES CO., LTD.: SALES AND SERVICE CHANNELS

FIGURE 64. TELEDYNE DALSA INC.: SALES AND SERVICE CHANNELS

FIGURE 65. IMAGE TECH, INC.: SALES AND SERVICE CHANNELS

FIGURE 66. FONA DENTAL: SALES AND SERVICE CHANNELS

FIGURE 67. DETECTION TECHNOLOGY: COMPANY FINANCIALS

FIGURE 68. DETECTION TECHNOLOGY: SALES AND SERVICE CHANNELS

FIGURE 69. HAMAMATSU PHOTONICS: COMPANY FINANCIALS

FIGURE 70. HAMAMATSU PHOTONICS: SALES AND SERVICE CHANNELS

FIGURE 71. PERKINELMER: COMPANY FINANCIALS

FIGURE 72. PERKINELMER: SALES AND SERVICE CHANNEL

FIGURE 73. OLYMPUS: COMPANY FINANCIALS

FIGURE 74. OLYMPUS: SALES AND SERVICE CHANNELS

FIGURE 75. CANON INC.: COMPANY FINANCIALS

FIGURE 76. CANON INC.: SALES AND SERVICE CHANNELS

FIGURE 77. FUJIFILM CORPORATION: COMPANY FINANCIALS

FIGURE 78. FUJIFILM CORPORATION: SALES AND SERVICE CHANNELS

FIGURE 79. KONICA MINOLTA, INC.: COMPANY FINANCIALS

FIGURE 80. KONICA MINOLTA, INC.: SALES AND SERVICE CHANNELS  
FIGURE 81. GENERAL ELECTRIC CORPORATION: COMPANY FINANCIALS  
FIGURE 82. GENERAL ELECTRIC CORPORATION.: SALES AND SERVICE CHANNELS  
FIGURE 83. IRAY TECHNOLOGY: SALES AND SERVICE CHANNELS  
FIGURE 84. VARIAN MEDICAL SYSTEMS, INC.: COMPANY FINANCIALS  
FIGURE 85. VARIAN MEDICAL SYSTEMS, INC.: SALES AND SERVICE CHANNELS  
FIGURE 86. SENS-TECH LTD.: SALES AND SERVICE CHANNELS  
FIGURE 87. ANALOGIC CORPORATION: COMPANY FINANCIALS  
FIGURE 88. ANALOGIC CORPORATION: SALES AND SERVICE CHANNELS  
FIGURE 89. ICRCO: SALES AND SERVICE CHANNELS  
FIGURE 90. IBA DOSIMETRY: COMPANY FINANCIALS  
FIGURE 91. IBA DOSIMETRY: SALES AND SERVICE CHANNELS  
FIGURE 92. COMPUTERISED INFORMATION TECHNOLOGY LTD.: SALES AND SERVICE CHANNELS

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