Non-Destructive Medical Technologies Market Research Report- Global Forecast till 2023

Report / Search Code: MRFR/HCIT/2987-HCR

Publish Date: December, 2019

Price

1-user PDF : $ 3560.0
Enterprise PDF : $ 4375.0

Description:

Non-Destructive Medical Technologies Market Information: By Method (Echocardiography, Medical Ultrasonography, Phased Array Ultrasonic Testing, Liquid Penetrant, Digital Radiography), By Equipment (Ultrasonic Equipment, X-Ray Equipment, Infra-Red Devices, Mass Spectrometer), By Application (Diagnosis, Treatment), And By End Users (Pharmaceutical & Biotechnological Companies, Forensic Laboratories, Research Organizations) - Global Forecast Till 2023

Market Scenario

Nondestructive testing has a wide array of application in healthcare since it is used to detect defects in material without damaging the material or making it unsuitable for use. Two common methods used are liquid penetrant testing (PT) and ultrasonic testing (UT). This techniques are used for detection of breast, lung, thyroid, and ovary cancer. Cancer is one of the major problems across the globe. The detection and identification of cancer has seen incredible improvements over the past several decades, offering a new lease on life to those who would have been out of luck in the past. Now, a new instrument invented named as MasSpec pen, designed, and built by researchers at the University of Texas at Austin, has revolutionized the detection of cancer. The MasSpec Pen identifies cancerous tissue by touch and can detect cancer easily.

Increasing prevalence of cancer, increasing investment of biotechnology and pharmaceutical industries in R&D, and rising need for the better diagnostic methods drives the growth of the market. There are more than 100 types of cancer, which has affected human. According to cancer research the UK in 2012, 14.1 million of new cancer cases was registered globally, which is increasing continuously. According to WHO, breast cancer is the second most common type of cancer in women. Every year 200,000 new cases are diagnosed worldwide. Prevalence of breast cancer is more common in developed countries compare with developing countries. Furthermore, rapid development in technology, increasing government support for research & development, changing lifestyle, and many adverse effects of the present diagnostic methods expected to fuel the market growth during the forecast period.

However, these types of devices has to pass all the regulatory standards and rules, which increases the approval time. The average approval time for the medical diagnostic device may vary from 5-8 years. This long approval time, high cost of the research & development and devices may hamper the market growth during the corresponding period.

The global non-destructive medical technologies market is expected to grow at a CAGR of ~ 10.8 % during the forecast period 2017-2023.

Figure: Global Non-Destructive Medical Technologies Market, by Region Market Share, 2016 (%)
Sources: Annual reports, Press release, White paper, Company presentation

**Key Players**
Some of key the players in the market are Eberlin Lab (US), Carestream Health (US), General Electric Company (US), Olympus Corporation (Japan), Element Materials Technology (US), Fischer Technology Inc. (US), Magnaflux Corporation (US), Sonotron NDT (Israel), Zetec Inc. (US), Sonatest Ltd. (UK), and Eddyfi NDT Inc. (Canada).

**Segmentations**
The global non-destructive medical technologies market has been segmented on the basis of methods, application, products, and end user.

On the basis of methods, the market is segmented into echocardiography, medical ultrasonography, liquid penetrant, phased array ultrasonic testing, and digital radiography.

On the basis of equipment, the market is segmented into ultrasonic equipment, X-ray equipment, infra-red devices, and mass spectrometer.

On the basis of application, the market is segmented into diagnosis, and treatment.

On the basis of end user, the market is segmented into pharmaceutical & biotechnological companies, forensic laboratories, research organizations, and others.

**Research Methodology**
Regional Analysis
The Americas dominates the global non-destructive medical technologies market owing to well-developed technology, increasing prevalence of cancer, high healthcare spending, and increasing government support for research & development. Furthermore, increasing R&D activities and the presence of major companies have fuelled the growth of the market in this region.

Europe holds the second position in the global non-destructive medical technologies market, which is followed by Asia Pacific. It is expected that the government support for research & development and availability of funds for research will drive the market in Europe region. Asia Pacific is the fastest growing non-destructive medical technologies market owing to the presence of rapidly developing healthcare technology, huge patient population and high healthcare expenditure. According to a survey carried out by Pfizer, in 2012, 6.7 million of cancer cases were registered in Asia Pacific region which is increasing continuously. Due to deteriorating lifestyle, smoking, and alcoholism, prevalence of cancer is increasing in Asia Pacific region.

On the other hand, the Middle East & Africa holds the least share of the market due to limited availability of medical facilities, less availability of funds, and poor political conditions in Africa.

Intended Audience
- Pharmaceutical Companies
- Medical Devices Companies
- Research and Development (R&D) Companies
- Biotechnological Companies
- Government Research Institute
- Academic Institutes and Universities
2.1 Definition
2.2 Scope of the Study
2.2.1 Research Objective
2.2.2 Assumptions
2.2.3 Limitations
Chapter 3. Research Methodology
3.1 Introduction
3.2 Primary Research
3.3 Secondary research
3.4 Market Size Estimation
Chapter 4. Market Dynamics
4.1 Drivers
4.2 Restains
4.3 Opportunities
4.4 Challenges
4.5 Macroeconomic Indicators
4.6 Technology Trends & Assessment
Chapter 5. Market Factor Analysis
5.1 Porters Five Forces Analysis
5.1.1 Bargaining Power of Suppliers
5.1.2 Bargaining Power of Buyers
5.1.3 Threat of New Entrants
5.1.4 Threat of Substitutes
5.1.5 Intensity of Rivalry
5.2 Value Chain Analysis
5.3 Investment Feasibility Analysis
5.4 Pricing Analysis
Chapter 6. Global Non-Destructive Medical Technologies Market, by Method
6.1 Introduction
6.2 Echocardiography
6.2.1 Market Estimates & Forecast, 2017-2023
6.3 Medical Ultrasonography
6.3.1 Market Estimates & Forecast, 2017-2023
6.4 Liquid Penetrant
6.4.1 Market Estimates & Forecast, 2017-2023
6.5 Phased Array Ultrasonic Testing
6.5.1 Market Estimates & Forecast, 2017-2023
6.6 Digital Radiography
6.6.1 Market Estimates & Forecast, 2017-2023
Chapter 7. Global Non-Destructive Medical Technologies Market, by Equipment
7.1 Introduction
7.2 Ultrasonic Equipment
7.2.1 Market Estimates & Forecast, 2017-2023
7.3 X-Ray Equipment
7.3.1 Market Estimates & Forecast, 2017-2023
7.4 Infra-Red Devices
7.4.1 Market Estimates & Forecast, 2017-2023
7.5 Mass Spectrometer
7.5.1 Market Estimates & Forecast, 2017-2023

Chapter 8. Global Non-Destructive Medical Technologies Market, by Application
8.1 Introduction
8.2 Diagnosis
8.2.1 Market Estimates & Forecast, 2017-2023
8.3 Treatment
8.3.1 Market Estimates & Forecast, 2017-2023

Chapter 9. Global Non-Destructive Medical Technologies Market, by End User
9.1 Introduction
9.2 Pharmaceutical & Biotechnological Companies
9.2.1 Market Estimates & Forecast, 2017-2023
9.3 Forensic Laboratories
9.3.2 Market Estimates & Forecast, 2017-2023
9.4 Research Organizations
9.4.1 Market Estimates & Forecast, 2017-2023
9.5 Others

Chapter 10. Global Non-Destructive Medical Technologies Market, by Region
10.1 Introduction
10.2 Americas
10.2.1 North America
10.2.1.1 US
10.2.1.1 Canada
10.2.2 South America
10.3 Europe
10.3.1 Western Europe
10.3.1.1 Germany
10.3.1.2 France
10.3.1.3 Italy
10.3.1.4 Spain
10.3.1.5 UK
10.3.1.6 Rest of Western Europe
10.3.2 Eastern Europe
10.4 Asia Pacific
10.4.1 Japan
10.4.2 China
10.4.3 India
10.4.4 Australia
10.4.5 Republic of Korea
10.4.6 Rest of Asia Pacific
10.5 The Middle East & Africa
10.5.1 United Arab Emirates
10.5.2 Saudi Arabia
10.5.3 Oman
10.5.4 Kuwait
10.5.5 Qatar
10.5.6 Rest of the Middle East & Africa

Chapter 11 Company Landscape
11.1 Introduction
11.2 Market Share Analysis
11.3 Key Development & Strategies
11.3.1 Key Developments

Chapter 12 Company Profiles
12.1 Eberlin Lab
12.1.1 Company Overview
12.1.2 Product Overview
12.1.3 Financials
12.1.4 SWOT Analysis
12.2 Carestream Health
12.2.1 Company Overview
12.2.2 Product Overview
12.2.3 Financial Overview
12.2.4 Key Developments
12.2.5 SWOT Analysis
12.3 General Electric Company
12.3.1 Company Overview
12.3.2 Product Overview
12.3.3 Financial Overview
12.3.4 Key Development
12.3.5 SWOT Analysis
12.4 Olympus Corporation
12.4.1 Company Overview
12.4.2 Product/Business Segment Overview
12.4.3 Financial Overview
12.4.4 Key Development
12.4.5 SWOT Analysis
12.5 Element Materials Technology
12.5.1 Company Overview
12.5.2 Product Overview
12.5.3 Financial overview
12.5.4 Key Developments
12.6 Fischer Technology Inc.
12.6.1 Company Overview
12.6.2 Product Overview
12.6.3 Financial Overview
12.6.4 Key Developments
12.7 Magnaflux Corporation
12.7.1 Overview
12.7.2 Product Overview
12.7.3 Financials
12.7.4 Key Developments
12.7.5 SWOT Analysis
12.8 Others

Chapter 13 MRFR Conclusion
13.1 Key Findings
13.1.1 From CEO’s View Point
13.1.2 Unmet Needs of the Market
13.2 Key Companies to Watch
13.3 Prediction of Medical Devices industry

Chapter 14 Appendix

LIST OF TABLES
Table 1 Non-Destructive Medical Technologies Industry Synopsis, 2017-2023
Table 2 Global Non-Destructive Medical Technologies Market Estimates and Forecast, 2017-2023, (USD Million)
Table 3 Global Non-Destructive Medical Technologies Market by Region, 2017-2023, (USD Million)
Table 4 Global Non-Destructive Medical Technologies Market by Method, 2017-2023, (USD Million)
Table 5 Global Non-Destructive Medical Technologies Market by Equipment, 2017-2023, (USD Million)
Table 6 Global Non-Destructive Medical Technologies Market by Application, 2017-2023, (USD Million)
Table 7 Global Non-Destructive Medical Technologies Market by End Users, 2017-2023, (USD Million)
Table 8 North America Non-Destructive Medical Technologies Market by Method, 2017-2023, (USD Million)
Table 9 North America Non-Destructive Medical Technologies Market by Equipment, 2017-2023, (USD Million)
Table 10 North America Non-Destructive Medical Technologies Market by Application, 2017-2023, (USD Million)
Table 11 North America Non-Destructive Medical Technologies Market by End Users, 2017-2023, (USD Million)
Table 12 US Market by Methods, 2017-2023, (USD Million)
Table 13 US Non-Destructive Medical Technologies Market by Equipment, 2017-2023, (USD Million)
Table 14 US Non-Destructive Medical Technologies Market by Application, 2017-2023, (USD Million)
Table 15 US Non-Destructive Medical Technologies Market by End Users, 2017-2023, (USD Million)
Table 16 Canada Market by Methods, 2017-2023, (USD Million)
Table 17 Canada Non-Destructive Medical Technologies Market by Equipment, 2017-2023, (USD Million)
Table 18 Canada Non-Destructive Medical Technologies Market by Application, 2017-2023, (USD Million)
Table 19 Canada Non-Destructive Medical Technologies Market by End Users, 2017-2023, (USD Million)
Table 20 South America Market by Methods, 2017-2023, (USD Million)
Table 21 South America Non-Destructive Medical Technologies Market by Equipment, 2017-2023, (USD Million)
Table 22 South America Non-Destructive Medical Technologies Market by Application, 2017-2023, (USD Million)
Table 23 South America Non-Destructive Medical Technologies Market by End Users, 2017-2023, (USD Million)
Table 24 Europe Market by Methods, 2017-2023, (USD Million)
Table 25 Europe Non-Destructive Medical Technologies Market by Equipment, 2017-2023, (USD Million)
Table 26 Europe Non-Destructive Medical Technologies Market by Application, 2017-2023, (USD Million)
Table 27 Europe Non-Destructive Medical Technologies Market by End Users, 2017-2023, (USD Million)
Table 28 Western Europe Market by Methods, 2017-2023, (USD Million)
Table 29 Western Europe Non-Destructive Medical Technologies Market by Equipment, 2017-2023, (USD Million)
Table 30 Western Europe Non-Destructive Medical Technologies Market by Application, 2017-2023, (USD Million)
Table 31 Western Europe Non-Destructive Medical Technologies Market by End Users, 2017-2023, (USD Million)
Table 32 Eastern Europe Market by Methods, 2017-2023, (USD Million)
Table 33 Eastern Europe Non-Destructive Medical Technologies Market by Equipment, 2017-2023, (USD Million)
Table 34 Eastern Europe Non-Destructive Medical Technologies Market by Application, 2017-2023, (USD Million)
Table 35 Eastern Europe Non-Destructive Medical Technologies Market by End Users, 2017-2023, (USD Million)
Table 36 Asia Pacific Market by Methods, 2017-2023, (USD Million)
Table 37 Asia Pacific Non-Destructive Medical Technologies Market by Equipment, 2017-2023, (USD Million)
Table 38 Asia Pacific Non-Destructive Medical Technologies Market by Application, 2017-2023, (USD Million)
Table 39 Asia Pacific Non-Destructive Medical Technologies Market by End Users, 2017-2023, (USD Million)
Table 40 Middle East & Africa Market by Methods, 2017-2023, (USD Million)
Table 41 Middle East & Africa Non-Destructive Medical Technologies Market by Equipment, 2017-2023, (USD Million)
Table 42 Middle East & Africa Non-Destructive Medical Technologies Market by Application, 2017-2023, (USD Million)
Table 43 Middle East & Africa Non-Destructive Medical Technologies Market by End Users, 2017-2023, (USD Million)

LIST OF FIGURES

Figure 1 Research Process
Figure 2 Segmentation for Global Non-Destructive Medical Technologies Market
Figure 3 Segmentation Market Dynamics for Global Non-Destructive Medical Technologies Market
Figure 4 Global Non-Destructive Medical Technologies market Share, by Method 2016
Figure 5 Global Non-Destructive Medical Technologies market Share, by Equipment 2016
Figure 6 Global Non-Destructive Medical Technologies market Share, by Application 2016
Figure 7 Global Non-Destructive Medical Technologies Market Share, by End Users, 2016
Figure 8 Global Non-Destructive Medical Technologies Market Share, by Region, 2016
Figure 9 North America Non-Destructive Medical Technologies Market Share, by Country, 2016
Figure 10 Europe Non-Destructive Medical Technologies Market Share, by Country, 2016
Figure 11 Asia Pacific Non-Destructive Medical Technologies Market Share, by Country, 2016
Figure 12 Middle East & Africa Non-Destructive Medical Technologies Market Share, by Country, 2016
Figure 13 Global Non-Destructive Medical Technologies Market: Company Share Analysis, 2016 (%)
Figure 14 Eberlin Lab: Key Financials
Figure 15 Eberlin Lab: Segmental Revenue
Figure 16 Eberlin Lab: Geographical Revenue
Figure 17 Carestream Health: Key Financials
Figure 18 Carestream Health: Segmental Revenue
Figure 19 Carestream Health: Geographical Revenue
Figure 20 General Electric Company: Key Financials
Figure 21 General Electric Company: Segmental Revenue
Figure 22 General Electric Company: Geographical Revenue
Figure 23 Olympus Corporation: Key Financials
Figure 24 Olympus Corporation: Segmental Revenue
Figure 25 Olympus Corporation: Geographical Revenue
Figure 26 Element Materials Technology: Key Financials
Figure 27 Element Materials Technology: Segmental Revenue
Figure 28 Element Materials Technology: Geographical Revenue
Figure 29 Fischer Technology Inc.: Key Financials
Figure 30 Fischer Technology Inc.: Segmental Revenue
Figure 31 Fischer Technology Inc.: Geographical Revenue
Figure 32 Magnaflux Corporation: Key Financials
Figure 33 Magnaflux Corporation: Segmental Revenue
Figure 34 Magnaflux Corporation: Geographical Revenue