

MRI Coils Market By Type (Radiofrequency coil, Gradient coils), By Application (Body Oncology, Neuro and spine, Cardiovascular, Pediatric, Others), By End User (Hospitals and Clinics, Diagnostic Imaging Centers): Global Opportunity Analysis and Industry Forecast, 2021-2031

Market Report | 2022-10-01 | 215 pages | Allied Market Research

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Report description:

The global MRI coils market was valued at \$525.6 million in 2021, and is projected to reach \$1,060.6 million by 2031, registering a CAGR of 7.3% from 2022 to 2031. Magnetic resonance imaging (MRI) is a medical imaging technique that uses a magnetic field and computer-generated radio waves to create detailed images of the organs and tissues in the body. MRI is a non-invasive way for doctors to examine organs, tissues and skeletal system. It produces high-resolution images of the inside of the body that help diagnose a variety of problems. Magnetic resonance imaging includes an electromagnetic field and a large static magnetic field to produce detailed images with the aid of MRI coils. There are different types of coils that are used for imaging. These include volume coils and surface coils. One of the major coils that are used include radiofrequency coils which are both transmit and receive type coils. Herein, the coil receives and transmits radio frequency signals and these are further combined to form an image of the anatomy under observation.

The MRI coils market is driven by rise in prevalence of cancer, technological advancement in development of healthcare sector, and increase in number of product launch and product approval for MRI system. MRI helps doctors find cancer in the body and look for signs that it has spread. MRI also can help doctors plan cancer treatment, like surgery or radiation. Thus, this factor fuels the demand for MRI coils. Therefore, rise in the prevalence of cancer increase the demand of MRI coils which is anticipated to drive the growth of the MRI coils market. For instance, according to World Cancer Research Fund International, a total of 18,094,716 cancer cases were reported to be diagnosed over the globe. Moreover, according to World Health Organization, (WHO), in 2020, approximately 2.26 million new breast cancer cases were diagnosed worldwide. In addition, rise in the number of brain cancer, brain tumor and spinal cord tumor increases the demand for MRI coils for diagnosis purpose. For instance, according to World Cancer Research Fund International, a total of 308,102 brain, central nervous system cancer cases were reported to be

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diagnosed over the globe.

The global MRI coils market is predicted to develop as more patients battle brain tumors, which cause increase in the shift of consumer preference toward minimally invasive and non-invasive techniques. The use of non-invasive MRI investigation technique is supported by a number of advantages, including detection of tumor and cancer, non-surgical procedure, crystal clear image of the tissues and organs in the body, painless & harmless process and other. Thus, increase in number of investigations by using MRI technique fuels the demand for different types of MRI coils. Therefore, this factor is anticipated to boost the growth of the market.

Geriatric population is more susceptible to chronic diseases. Rise in number of geriatric populations increases the demand for MRI coils. As geriatric population is more susceptible to neurological disorders, use of MRI technique will increase which drives the demand for MRI coils. Thus, this factor contributes to drive the growth of MRI coils market. In addition, governments globally have increased the expenditure on the healthcare sector. For instance, according to the Centers for Medicare & Medicaid Services, the U.S. health care spending grew by 9.7% from 2019 to 2020, reaching \$4.1 trillion (\$12,530 per person). Similarly, as per the Office for National Statistics, total healthcare expenditure in the UK accounted for 12.8% of the gross domestic product (GDP) in 2020, compared to 10.2% in 2019. Furthermore, it has been estimated that approximately 30% of the healthcare expenditure is used in upgrading the healthcare infrastructure, especially medical equipment used at public health centers (hospitals). Hence, this rise in healthcare expenditure across the globe is expected to fuel the demand for MRI coils application in different disease treatment, thereby boosting the market growth.

On the other hand, high cost associated with MRI coils and side effects of magnetic resonance imaging attributes to hinder the market growth. The MRI coils market is segmented on the basis of type, application, end user and region. On the basis of type, the market is divided into radiofrequency coil, volume coil, surface coil and others. On the basis of application, it is classified into body oncology, neuro and spine, cardiovascular, pediatric and others. On the basis of end user, the market is bifurcated into hospitals & clinics and diagnostic imaging centers. Region wise, the market is analyzed across North America, Europe, Asia-Pacific, and LAMEA.

Some of the major companies that operate in the global MRI coils market include Aurora Healthcare US Corp, Canon Inc., Satoe SpA, General Electric Company, Koninklijke Philips N.V., Monteris Medical, MR Instruments Inc., RAPID MR International, LLC, ScanMed, LLC, Siemens AG.

Key Benefits For Stakeholders

- This report provides a quantitative analysis of the market segments, current trends, estimations, and dynamics of the mri coils market analysis from 2021 to 2031 to identify the prevailing mri coils market opportunities.
- The market research is offered along with information related to key drivers, restraints, and opportunities.
- Porter's five forces analysis highlights the potency of buyers and suppliers to enable stakeholders make profit-oriented business decisions and strengthen their supplier-buyer network.
- In-depth analysis of the mri coils market segmentation assists to determine the prevailing market opportunities.
- Major countries in each region are mapped according to their revenue contribution to the global market.
- Market player positioning facilitates benchmarking and provides a clear understanding of the present position of the market players.
- The report includes the analysis of the regional as well as global mri coils market trends, key players, market segments, application areas, and market growth strategies.

Key Market Segments

By Type

- Radiofrequency coil
- Type
- Volume coil
- Surface coil
- Others
- Gradient coils

By Application

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- Body Oncology
- Neuro and spine
- Cardiovascular
- Pediatric
- Others

By End User

- Hospitals and Clinics
- Diagnostic Imaging Centers

By Region

- North America
- U.S.
- Canada
- Mexico
- Europe
- Germany
- France
- UK
- Italy
- Spain
- Rest of Europe
- Asia-Pacific
- Japan
- China
- Australia
- India
- Rest of Asia-Pacific
- LAMEA
- Brazil
- Turkey
- Saudi Arabia
- South Africa
- Rest of LAMEA
- Key Market Players
- AURORA HEALTHCARE US CORP
- Canon Inc.
- ESAOTE SPA
- General Electric Company
- Koninklijke Philips N.V.
- MONTERIS MEDICAL
- MR INSTRUMENTS INC
- RAPID MR INTERNATIONAL, LLC
- SCANMED, LLC
- SIEMENS AG

Table of Contents:

CHAPTER 1:INTRODUCTION

1.1.Report description

Scotts International. EU Vat number: PL 6772247784

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- 1.2.Key market segments
- 1.3.Key benefits to the stakeholders
- 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.Key findings of the study
 - 2.2.CXO Perspective
- CHAPTER 3:MARKET OVERVIEW
 - 3.1.Market definition and scope
 - 3.2.Key findings
 - 3.2.1.Top investment pockets
 - 3.3.Porter's five forces analysis
 - 3.4.Top player positioning
 - 3.5.Market dynamics
 - 3.5.1.Drivers
 - 3.5.2.Restraints
 - 3.5.3.Opportunities
 - 3.6.COVID-19 Impact Analysis on the market
- CHAPTER 4: MRI COILS MARKET, BY TYPE
 - 4.1 Overview
 - 4.1.1 Market size and forecast
 - 4.2 Radiofrequency coil
 - 4.2.1 Key market trends, growth factors and opportunities
 - 4.2.2 Market size and forecast, by region
 - 4.2.3 Market share analysis by country
 - 4.2.4 Radiofrequency coil MRI Coils Market by Type
 - 4.2.4.1 Volume coil Market size and forecast, by region
 - 4.2.4.2 Surface coil Market size and forecast, by region
 - 4.2.4.3 Others Market size and forecast, by region
 - 4.3 Gradient coils
 - 4.3.1 Key market trends, growth factors and opportunities
 - 4.3.2 Market size and forecast, by region
 - 4.3.3 Market share analysis by country
- CHAPTER 5: MRI COILS MARKET, BY APPLICATION
 - 5.1 Overview
 - 5.1.1 Market size and forecast
 - 5.2 Body Oncology
 - 5.2.1 Key market trends, growth factors and opportunities
 - 5.2.2 Market size and forecast, by region
 - 5.2.3 Market share analysis by country
 - 5.3 Neuro and spine
 - 5.3.1 Key market trends, growth factors and opportunities
 - 5.3.2 Market size and forecast, by region
 - 5.3.3 Market share analysis by country
 - 5.4 Cardiovascular

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5.4.1 Key market trends, growth factors and opportunities

5.4.2 Market size and forecast, by region

5.4.3 Market share analysis by country

5.5 Pediatric

5.5.1 Key market trends, growth factors and opportunities

5.5.2 Market size and forecast, by region

5.5.3 Market share analysis by country

5.6 Others

5.6.1 Key market trends, growth factors and opportunities

5.6.2 Market size and forecast, by region

5.6.3 Market share analysis by country

CHAPTER 6: MRI COILS MARKET, BY END USER

6.1 Overview

6.1.1 Market size and forecast

6.2 Hospitals and Clinics

6.2.1 Key market trends, growth factors and opportunities

6.2.2 Market size and forecast, by region

6.2.3 Market share analysis by country

6.3 Diagnostic Imaging Centers

6.3.1 Key market trends, growth factors and opportunities

6.3.2 Market size and forecast, by region

6.3.3 Market share analysis by country

CHAPTER 7: MRI COILS MARKET, BY REGION

7.1 Overview

7.1.1 Market size and forecast

7.2 North America

7.2.1 Key trends and opportunities

7.2.2 North America Market size and forecast, by Type

7.2.2.1 North America Radiofrequency coil MRI Coils Market by Type

7.2.3 North America Market size and forecast, by Application

7.2.4 North America Market size and forecast, by End User

7.2.5 North America Market size and forecast, by country

7.2.5.1 U.S.

7.2.5.1.1 Key market trends, growth factors and opportunities

7.2.5.1.2 Market size and forecast, by Type

7.2.5.1.3 Market size and forecast, by Application

7.2.5.1.4 Market size and forecast, by End User

7.2.5.2 Canada

7.2.5.2.1 Key market trends, growth factors and opportunities

7.2.5.2.2 Market size and forecast, by Type

7.2.5.2.3 Market size and forecast, by Application

7.2.5.2.4 Market size and forecast, by End User

7.2.5.3 Mexico

7.2.5.3.1 Key market trends, growth factors and opportunities

7.2.5.3.2 Market size and forecast, by Type

7.2.5.3.3 Market size and forecast, by Application

7.2.5.3.4 Market size and forecast, by End User

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7.3 Europe

7.3.1 Key trends and opportunities

7.3.2 Europe Market size and forecast, by Type

7.3.2.1 Europe Radiofrequency coil MRI Coils Market by Type

7.3.3 Europe Market size and forecast, by Application

7.3.4 Europe Market size and forecast, by End User

7.3.5 Europe Market size and forecast, by country

7.3.5.1 Germany

7.3.5.1.1 Key market trends, growth factors and opportunities

7.3.5.1.2 Market size and forecast, by Type

7.3.5.1.3 Market size and forecast, by Application

7.3.5.1.4 Market size and forecast, by End User

7.3.5.2 France

7.3.5.2.1 Key market trends, growth factors and opportunities

7.3.5.2.2 Market size and forecast, by Type

7.3.5.2.3 Market size and forecast, by Application

7.3.5.2.4 Market size and forecast, by End User

7.3.5.3 UK

7.3.5.3.1 Key market trends, growth factors and opportunities

7.3.5.3.2 Market size and forecast, by Type

7.3.5.3.3 Market size and forecast, by Application

7.3.5.3.4 Market size and forecast, by End User

7.3.5.4 Italy

7.3.5.4.1 Key market trends, growth factors and opportunities

7.3.5.4.2 Market size and forecast, by Type

7.3.5.4.3 Market size and forecast, by Application

7.3.5.4.4 Market size and forecast, by End User

7.3.5.5 Spain

7.3.5.5.1 Key market trends, growth factors and opportunities

7.3.5.5.2 Market size and forecast, by Type

7.3.5.5.3 Market size and forecast, by Application

7.3.5.5.4 Market size and forecast, by End User

7.3.5.6 Rest of Europe

7.3.5.6.1 Key market trends, growth factors and opportunities

7.3.5.6.2 Market size and forecast, by Type

7.3.5.6.3 Market size and forecast, by Application

7.3.5.6.4 Market size and forecast, by End User

7.4 Asia-Pacific

7.4.1 Key trends and opportunities

7.4.2 Asia-Pacific Market size and forecast, by Type

7.4.2.1 Asia-Pacific Radiofrequency coil MRI Coils Market by Type

7.4.3 Asia-Pacific Market size and forecast, by Application

7.4.4 Asia-Pacific Market size and forecast, by End User

7.4.5 Asia-Pacific Market size and forecast, by country

7.4.5.1 Japan

7.4.5.1.1 Key market trends, growth factors and opportunities

7.4.5.1.2 Market size and forecast, by Type

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- 7.4.5.1.3 Market size and forecast, by Application
- 7.4.5.1.4 Market size and forecast, by End User
- 7.4.5.2 China
 - 7.4.5.2.1 Key market trends, growth factors and opportunities
 - 7.4.5.2.2 Market size and forecast, by Type
 - 7.4.5.2.3 Market size and forecast, by Application
 - 7.4.5.2.4 Market size and forecast, by End User
- 7.4.5.3 Australia
 - 7.4.5.3.1 Key market trends, growth factors and opportunities
 - 7.4.5.3.2 Market size and forecast, by Type
 - 7.4.5.3.3 Market size and forecast, by Application
 - 7.4.5.3.4 Market size and forecast, by End User
- 7.4.5.4 India
 - 7.4.5.4.1 Key market trends, growth factors and opportunities
 - 7.4.5.4.2 Market size and forecast, by Type
 - 7.4.5.4.3 Market size and forecast, by Application
 - 7.4.5.4.4 Market size and forecast, by End User
- 7.4.5.5 Rest of Asia-Pacific
 - 7.4.5.5.1 Key market trends, growth factors and opportunities
 - 7.4.5.5.2 Market size and forecast, by Type
 - 7.4.5.5.3 Market size and forecast, by Application
 - 7.4.5.5.4 Market size and forecast, by End User
- 7.5 LAMEA
 - 7.5.1 Key trends and opportunities
 - 7.5.2 LAMEA Market size and forecast, by Type
 - 7.5.2.1 LAMEA Radiofrequency coil MRI Coils Market by Type
 - 7.5.3 LAMEA Market size and forecast, by Application
 - 7.5.4 LAMEA Market size and forecast, by End User
 - 7.5.5 LAMEA Market size and forecast, by country
 - 7.5.5.1 Brazil
 - 7.5.5.1.1 Key market trends, growth factors and opportunities
 - 7.5.5.1.2 Market size and forecast, by Type
 - 7.5.5.1.3 Market size and forecast, by Application
 - 7.5.5.1.4 Market size and forecast, by End User
 - 7.5.5.2 Turkey
 - 7.5.5.2.1 Key market trends, growth factors and opportunities
 - 7.5.5.2.2 Market size and forecast, by Type
 - 7.5.5.2.3 Market size and forecast, by Application
 - 7.5.5.2.4 Market size and forecast, by End User
 - 7.5.5.3 Saudi Arabia
 - 7.5.5.3.1 Key market trends, growth factors and opportunities
 - 7.5.5.3.2 Market size and forecast, by Type
 - 7.5.5.3.3 Market size and forecast, by Application
 - 7.5.5.3.4 Market size and forecast, by End User
 - 7.5.5.4 South Africa
 - 7.5.5.4.1 Key market trends, growth factors and opportunities
 - 7.5.5.4.2 Market size and forecast, by Type

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- 7.5.5.4.3 Market size and forecast, by Application
- 7.5.5.4.4 Market size and forecast, by End User
- 7.5.5.5 Rest of LAMEA
 - 7.5.5.5.1 Key market trends, growth factors and opportunities
 - 7.5.5.5.2 Market size and forecast, by Type
 - 7.5.5.5.3 Market size and forecast, by Application
 - 7.5.5.5.4 Market size and forecast, by End User

CHAPTER 8: COMPANY LANDSCAPE

- 8.1. Introduction
- 8.2. Top winning strategies
- 8.3. Product Mapping of Top 10 Player
- 8.4. Competitive Dashboard
- 8.5. Competitive Heatmap
- 8.6. Key developments

CHAPTER 9: COMPANY PROFILES

9.1 AURORA HEALTHCARE US CORP

- 9.1.1 Company overview
- 9.1.2 Company snapshot
- 9.1.3 Operating business segments
- 9.1.4 Product portfolio
- 9.1.5 Business performance
- 9.1.6 Key strategic moves and developments

9.2 Canon Inc.

- 9.2.1 Company overview
- 9.2.2 Company snapshot
- 9.2.3 Operating business segments
- 9.2.4 Product portfolio
- 9.2.5 Business performance
- 9.2.6 Key strategic moves and developments

9.3 ESAOTE SPA

- 9.3.1 Company overview
- 9.3.2 Company snapshot
- 9.3.3 Operating business segments
- 9.3.4 Product portfolio
- 9.3.5 Business performance
- 9.3.6 Key strategic moves and developments

9.4 General Electric Company

- 9.4.1 Company overview
- 9.4.2 Company snapshot
- 9.4.3 Operating business segments
- 9.4.4 Product portfolio
- 9.4.5 Business performance
- 9.4.6 Key strategic moves and developments

9.5 Koninklijke Philips N.V.

- 9.5.1 Company overview
- 9.5.2 Company snapshot
- 9.5.3 Operating business segments

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- 9.5.4 Product portfolio
- 9.5.5 Business performance
- 9.5.6 Key strategic moves and developments
- 9.6 MONTERIS MEDICAL
 - 9.6.1 Company overview
 - 9.6.2 Company snapshot
 - 9.6.3 Operating business segments
 - 9.6.4 Product portfolio
 - 9.6.5 Business performance
 - 9.6.6 Key strategic moves and developments
- 9.7 MR INSTRUMENTS INC
 - 9.7.1 Company overview
 - 9.7.2 Company snapshot
 - 9.7.3 Operating business segments
 - 9.7.4 Product portfolio
 - 9.7.5 Business performance
 - 9.7.6 Key strategic moves and developments
- 9.8 RAPID MR INTERNATIONAL, LLC
 - 9.8.1 Company overview
 - 9.8.2 Company snapshot
 - 9.8.3 Operating business segments
 - 9.8.4 Product portfolio
 - 9.8.5 Business performance
 - 9.8.6 Key strategic moves and developments
- 9.9 SCANMED, LLC
 - 9.9.1 Company overview
 - 9.9.2 Company snapshot
 - 9.9.3 Operating business segments
 - 9.9.4 Product portfolio
 - 9.9.5 Business performance
 - 9.9.6 Key strategic moves and developments
- 9.10 SIEMENS AG
 - 9.10.1 Company overview
 - 9.10.2 Company snapshot
 - 9.10.3 Operating business segments
 - 9.10.4 Product portfolio
 - 9.10.5 Business performance
 - 9.10.6 Key strategic moves and developments

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