

# Magnetic Resonance Imaging (MRI) Equipment – A Global Market Overview

<https://marketpublishers.com/r/M198FE7BFEBEEN.html>

Date: November 2024

Pages: 307

Price: US\$ 4,500.00 (Single User License)

ID: M198FE7BFEBEEN

## Abstracts

### Magnetic Resonance Imaging (MRI) Equipment Market Trends and Outlook

Magnetic Resonance Imaging (MRI) is a non-invasive imaging device to create detailed three-dimensional(3D) images of internal organs and tissues. MRI devices use powerful magnetic fields and radio waves to visualize soft tissues such as the brain, spinal cord, muscles, and joints, assisting in diagnosing tumors, inflammation, neurological disorders, and musculoskeletal problems. The main MRI categories include Low-to-Mid-Field MRI systems (7T) is an advanced MRI technology that offers greater detail in images for complex research purposes.

MRI systems are essential in modern healthcare for their precision and safety over ionizing radiation methods. Nonetheless, their use can be limited for patients with metallic implants, as these can disrupt the magnetic fields, and for patients who are suffering from severe claustrophobia, who may feel anxious in the enclosed space of the MRI machine. Despite these limitations, the benefits of MRI in providing high-quality diagnostic information make it an essential tool in contemporary medical practice. The global Magnetic Resonance Imaging (MRI) Equipment market is estimated to be valued at US\$7.6 billion in 2024 and is projected to grow to US\$10.8 billion by 2030, with a CAGR of 6% during the analysis period 2024-2030.

The Magnetic Resonance Imaging (MRI) Equipment market growth is propelled by the rising incidence of chronic illnesses, such as cancer, neurological conditions, and cardiovascular diseases, which require sophisticated imaging methods for precise diagnosis and treatment tracking. MRI devices are essential for their capability to deliver detailed, high-resolution images without ionizing radiation methods and make them specifically valuable for soft tissue evaluation in fields like neurology and oncology.

Growing healthcare awareness and the adoption of advanced MRI technologies, including high & very high-field MRI systems (>3T to 7T) and ultra-high-field MRI systems (>7T), improve imaging accuracy and drive market expansion. Investments in healthcare infrastructure, particularly in developing countries, enhance the availability of MRI technology, further bolstered by innovations like open MRI systems that address comfort concerns for patients with claustrophobia.

## Magnetic Resonance Imaging (MRI) Equipment Regional Market Analysis

North America dominates the global MRI equipment market, capturing a 41.9% share in 2024, driven by the increased prevalence of chronic diseases such as cancer, cardiovascular disorders, and neurological conditions. The region benefits from advanced healthcare infrastructure, early diagnosis practices, and robust support for medical research, supported by government funding and health insurance coverage. In this region, advanced MRI technologies, including multi-modality systems, are widely adopted in hospitals and specialized centers despite challenges like claustrophobia and implant interference. Meanwhile, Asia-Pacific is projected to be the fastest-growing market with a CAGR of 7% during the analysis period 2024-2030, fueled by an increasing geriatric population, growing demand for advanced imaging modalities, and robust healthcare service expansion in countries like China, Japan, and India, along with a thriving medical tourism industry that attracts patients seeking advanced diagnostic services at competitive prices.

## Magnetic Resonance Imaging (MRI) Equipment Market Analysis by Architecture

The Closed MRI systems segment is the largest market for Magnetic Resonance Imaging (MRI) equipment, cornering an estimated share of 71.8% in 2024, due to its use of robust magnetic fields and high-frequency radio waves, which produce detailed images and enable precise slice selection. Despite challenges such as claustrophobia and loud noise during scans affecting patient experience and resulting in accuracy issues, closed MRI systems remain the preferred choice for radiologists due to their superior image quality. On the other hand, the Open MRI systems segment is projected to record the fastest CAGR of 6.5% during the forecast period 2024-2030, driven by the development of wide-bore and open MRI systems aimed at reducing anxiety, especially for claustrophobic patients and children. This market growth is further fueled by their less confined design, which alleviates patient anxiety, particularly in neonates, and is supported by ongoing clinical trials and new product launches that expand their applications.

## Magnetic Resonance Imaging (MRI) Equipment Market Analysis by Field Strength

The global MRI equipment market, based on field strength, is led by the low-to-mid-field MRI systems (3T to 7T) segment is expected to be the fastest-growing market, with a 7.1% CAGR during the 2024-2030 analysis period. This growth is driven by the increasing demand for high-resolution imaging, especially in neurology and oncology, and technological advancements that improve image quality and patient comfort, making these high-field systems more viable in clinical settings.

## Magnetic Resonance Imaging (MRI) Equipment Market Analysis by Application

The Brain and Neurology segment accounted for 23.7% of the market share in 2024, making it the dominant application segment in the MRI equipment market. This dominance is driven by technological advancements that improve the diagnosis of neurological disorders and the superior image quality offered by MRI over computerized tomography (CT) scanners. As the prevalence of conditions like Alzheimer's, Parkinson's, and multiple sclerosis diseases rises, the Brain and Neurology segment is anticipated to sustain its lead throughout the forecast period. Conversely, the Breast imaging application segment is projected to register the fastest CAGR of 7.3% during the forecast period 2024-2030, propelled by the increasing occurrence of breast cancer, superior imaging quality of MRI, and MRI technological advancements. Furthermore, heightened awareness, enhanced screening initiatives, and increased healthcare spending are boosting the market growth.

## Magnetic Resonance Imaging (MRI) Equipment Market Analysis by End-User

In 2024, the hospital segment captured the largest share of the MRI equipment market, representing 54.9% of the end-user market. This dominance is influenced by the installation of MRI systems and the growing use of rapid MRI (rMRI) in emergency and trauma care and teaching hospitals. Furthermore, hospitals get the advantage of incorporating advanced imaging technologies into their patient care, which improves diagnostic capabilities and treatment planning. Meanwhile, the Diagnostic Imaging Centers segment is expected to experience the fastest-growing market with a CAGR of 6.6% during the forecast period, driven by the increasing number of diagnostic imaging centers in emerging countries and the increasing demand for non-invasive diagnostic methods. The growth of independent centers providing affordable MRI services is also aiding this segment's growth.

## Magnetic Resonance Imaging (MRI) Equipment Market Report Scope

This global report on 3D Metrology analyzes the market based on offering, hardware, application and end-use sector. In addition to providing profiles of major companies operating in this space, the latest corporate and industrial developments have been covered to offer a clear panorama of how and where the market is progressing.

## Key Metrics

Historical Period: 2021-2023

Base Year: 2023

Forecast Period: 2024-2030

Units: Value market in US\$

Companies Mentioned: 10+

## Magnetic Resonance Imaging (MRI) Equipment Market by Geographic Region

North America (The United States, Canada, and Mexico)

Europe (Germany, France, United Kingdom, Italy, Spain, and Rest of Europe)

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

South America (Brazil, Argentina, and Rest of South America)

Rest of World

## Magnetic Resonance Imaging (MRI) Equipment Market by Architecture

Closed MRI systems

Open MRI systems

## Magnetic Resonance Imaging (MRI) Equipment Market by Field Strength

Low-to-Mid-Field MRI Systems (3T to 7T)

Ultra-High-Field MRI Systems (>7T)

## Magnetic Resonance Imaging (MRI) Equipment Market by Application

Brain and Neurology

Spine and Musculoskeletal

Breast

Cardiology

Vascular

Abdominal

Other Applications (Including Inflammatory & Infectious Diseases,  
Gastroenterology, Obstructive Sleep Apnea (OSA), Body Imaging, and others)

## Magnetic Resonance Imaging (MRI) Equipment Market by End-User

Hospitals

Diagnostic Imaging Centers

Other End-Users (Including Research Institutions, Specialty Clinics, and  
Ambulatory Surgical Centers)

## Contents

### **PART A: GLOBAL MARKET PERSPECTIVE**

#### 1. INTRODUCTION

Product Outline

Magnetic Resonance Imaging (MRI) Equipment Defined

Magnetic Resonance Imaging (MRI) Equipment Architectures

Closed MRI systems

Open MRI systems

Magnetic Resonance Imaging (MRI) Equipment Field Strengths

Low-to-Mid-Field MRI Systems (3T to 7T)

Ultra-High-Field MRI Systems (>7T)

Magnetic Resonance Imaging (MRI) Equipment Applications

Brain and Neurology

Spine and Musculoskeletal

Breast

Cardiology

Vascular

Abdominal

Other Applications (Including Inflammatory & Infectious Diseases, Gastroenterology, Obstructive Sleep Apnea (OSA), Body Imaging, and others)

Magnetic Resonance Imaging (MRI) Equipment End-Users

Hospitals

Diagnostic Imaging Centers

Other End-Users (Including Research Institutions, Specialty Clinics, and Ambulatory Surgical Centers)

#### 2. Key Market Trends

#### 3. Key Global Players

Alltech Medical Systems, LLC

Aurora Healthcare US Corp.

Bruker Corporation

Canon Medical Systems Corporation

Esaote SpA

FONAR Corp.

Fujifilm Holdings Corporation

GE Healthcare

Koninklijke Philips N.V.

Neusoft Medical Systems Co., Ltd.

Sanrad Medical Systems Pvt Ltd

Shimadzu Corporation

Siemens Healthineers AG

Time Medical Holding

4. Key Business & Product Trends

5. Global Market Overview

Global Magnetic Resonance Imaging (MRI) Equipment Market Overview by Architecture

Magnetic Resonance Imaging (MRI) Equipment Architecture Market Overview by Global Region

Closed MRI systems

Open MRI systems

Global Magnetic Resonance Imaging (MRI) Equipment Market Overview by Field Strength

Magnetic Resonance Imaging (MRI) Equipment Field Strength Market Overview by Global Region

Low-to-Mid-Field MRI Systems (3T to 7T)

Ultra-High-Field MRI Systems (>7T)

Global Magnetic Resonance Imaging (MRI) Equipment Market Overview by Application

Magnetic Resonance Imaging (MRI) Equipment Application Market Overview by Global Region

Brain and Neurology

Spine and Musculoskeletal

Breast

Cardiology

Vascular

Abdominal

Other Applications

Global Magnetic Resonance Imaging (MRI) Equipment Market Overview by End-User

Magnetic Resonance Imaging (MRI) Equipment End-User Market Overview by Global Region

Hospitals

Diagnostic Imaging Centers

Other End-Users

## **PART B: REGIONAL MARKET PERSPECTIVE**

Global Magnetic Resonance Imaging (MRI) Equipment Market Overview by Geographic Region

**REGIONAL MARKET OVERVIEW**

## 6. North America

North American Magnetic Resonance Imaging (MRI) Equipment Market Overview by Geographic Region

North American Magnetic Resonance Imaging (MRI) Equipment Market Overview by Architecture

North American Magnetic Resonance Imaging (MRI) Equipment Market Overview by Field Strength

North American Magnetic Resonance Imaging (MRI) Equipment Market Overview by Application

North American Magnetic Resonance Imaging (MRI) Equipment Market Overview by End-User

Country-wise Analysis of North American Magnetic Resonance Imaging (MRI) Equipment Market

The United States

United States Magnetic Resonance Imaging (MRI) Equipment Market Overview by Architecture

United States Magnetic Resonance Imaging (MRI) Equipment Market Overview by Field Strength

United States Magnetic Resonance Imaging (MRI) Equipment Market Overview by Application

United States Magnetic Resonance Imaging (MRI) Equipment Market Overview by End-User

Canada

Canadian Magnetic Resonance Imaging (MRI) Equipment Market Overview by Architecture

Canadian Magnetic Resonance Imaging (MRI) Equipment Market Overview by Field Strength

Canadian Magnetic Resonance Imaging (MRI) Equipment Market Overview by Application

Canadian Magnetic Resonance Imaging (MRI) Equipment Market Overview by End-User

Mexico

Mexican Magnetic Resonance Imaging (MRI) Equipment Market Overview by Architecture

Mexican Magnetic Resonance Imaging (MRI) Equipment Market Overview by Field Strength

Mexican Magnetic Resonance Imaging (MRI) Equipment Market Overview by Application

Mexican Magnetic Resonance Imaging (MRI) Equipment Market Overview by End-User



## 7. Europe

European Magnetic Resonance Imaging (MRI) Equipment Market Overview by Geographic Region

European Magnetic Resonance Imaging (MRI) Equipment Market Overview by Architecture

European Magnetic Resonance Imaging (MRI) Equipment Market Overview by Field Strength

European Magnetic Resonance Imaging (MRI) Equipment Market Overview by Application

European Magnetic Resonance Imaging (MRI) Equipment Market Overview by End-User

Country-wise Analysis of European Magnetic Resonance Imaging (MRI) Equipment Market

Germany

German Magnetic Resonance Imaging (MRI) Equipment Market Overview by Architecture

German Magnetic Resonance Imaging (MRI) Equipment Market Overview by Field Strength

German Magnetic Resonance Imaging (MRI) Equipment Market Overview by Application

German Magnetic Resonance Imaging (MRI) Equipment Market Overview by End-User

France

French Magnetic Resonance Imaging (MRI) Equipment Market Overview by Architecture

French Magnetic Resonance Imaging (MRI) Equipment Market Overview by Field Strength

French Magnetic Resonance Imaging (MRI) Equipment Market Overview by Application

French Magnetic Resonance Imaging (MRI) Equipment Market Overview by End-User

The United Kingdom

United Kingdom Magnetic Resonance Imaging (MRI) Equipment Market Overview by Architecture

United Kingdom Magnetic Resonance Imaging (MRI) Equipment Market Overview by Field Strength

United Kingdom Magnetic Resonance Imaging (MRI) Equipment Market Overview by Application

United Kingdom Magnetic Resonance Imaging (MRI) Equipment Market Overview by End-User

Italy

Italian Magnetic Resonance Imaging (MRI) Equipment Market Overview by Architecture

Italian Magnetic Resonance Imaging (MRI) Equipment Market Overview by Field Strength

Italian Magnetic Resonance Imaging (MRI) Equipment Market Overview by Application

Italian Magnetic Resonance Imaging (MRI) Equipment Market Overview by End-User Spain

Spanish Magnetic Resonance Imaging (MRI) Equipment Market Overview by Architecture

Spanish Magnetic Resonance Imaging (MRI) Equipment Market Overview by Field Strength

Spanish Magnetic Resonance Imaging (MRI) Equipment Market Overview by Application

Spanish Magnetic Resonance Imaging (MRI) Equipment Market Overview by End-User Rest of Europe

Rest of Europe Magnetic Resonance Imaging (MRI) Equipment Market Overview by Architecture

Rest of Europe Magnetic Resonance Imaging (MRI) Equipment Market Overview by Field Strength

Rest of Europe Magnetic Resonance Imaging (MRI) Equipment Market Overview by Application

Rest of Europe Magnetic Resonance Imaging (MRI) Equipment Market Overview by End-User

## 8. Asia-Pacific

Asia-Pacific Magnetic Resonance Imaging (MRI) Equipment Market Overview by Geographic Region

Asia-Pacific Magnetic Resonance Imaging (MRI) Equipment Market Overview by Architecture

Asia-Pacific Magnetic Resonance Imaging (MRI) Equipment Market Overview by Field Strength

Asia-Pacific Magnetic Resonance Imaging (MRI) Equipment Market Overview by Application

Asia-Pacific Magnetic Resonance Imaging (MRI) Equipment Market Overview by End-User

Country-wise Analysis of Asia-Pacific Magnetic Resonance Imaging (MRI) Equipment Market

Japan

Japanese Magnetic Resonance Imaging (MRI) Equipment Market Overview by Architecture

Japanese Magnetic Resonance Imaging (MRI) Equipment Market Overview by Field Strength

Japanese Magnetic Resonance Imaging (MRI) Equipment Market Overview by Application

Japanese Magnetic Resonance Imaging (MRI) Equipment Market Overview by End-User

China

Chinese Magnetic Resonance Imaging (MRI) Equipment Market Overview by Architecture

Chinese Magnetic Resonance Imaging (MRI) Equipment Market Overview by Field Strength

Chinese Magnetic Resonance Imaging (MRI) Equipment Market Overview by Application

Chinese Magnetic Resonance Imaging (MRI) Equipment Market Overview by End-User

India  
Indian Magnetic Resonance Imaging (MRI) Equipment Market Overview by Architecture  
Indian Magnetic Resonance Imaging (MRI) Equipment Market Overview by Field Strength

Indian Magnetic Resonance Imaging (MRI) Equipment Market Overview by Application

Indian Magnetic Resonance Imaging (MRI) Equipment Market Overview by End-User

South Korea  
South Korean Magnetic Resonance Imaging (MRI) Equipment Market Overview by Architecture

South Korean Magnetic Resonance Imaging (MRI) Equipment Market Overview by Field Strength

South Korean Magnetic Resonance Imaging (MRI) Equipment Market Overview by Application

South Korean Magnetic Resonance Imaging (MRI) Equipment Market Overview by End-User

Rest of Asia-Pacific

Rest of Asia-Pacific Magnetic Resonance Imaging (MRI) Equipment Market Overview by Architecture

Rest of Asia-Pacific Magnetic Resonance Imaging (MRI) Equipment Market Overview by Field Strength

Rest of Asia-Pacific Magnetic Resonance Imaging (MRI) Equipment Market Overview by Application

Rest of Asia-Pacific Magnetic Resonance Imaging (MRI) Equipment Market Overview by End-User

9. South America

South American Magnetic Resonance Imaging (MRI) Equipment Market Overview by Geographic Region

South American Magnetic Resonance Imaging (MRI) Equipment Market Overview by Architecture

South American Magnetic Resonance Imaging (MRI) Equipment Market Overview by Field Strength

South American Magnetic Resonance Imaging (MRI) Equipment Market Overview by Application

South American Magnetic Resonance Imaging (MRI) Equipment Market Overview by End-User

Country-wise Analysis of Asia-Pacific Magnetic Resonance Imaging (MRI) Equipment Market

Brazil

Brazilian Magnetic Resonance Imaging (MRI) Equipment Market Overview by Architecture

Brazilian Magnetic Resonance Imaging (MRI) Equipment Market Overview by Field Strength

Brazilian Magnetic Resonance Imaging (MRI) Equipment Market Overview by Application

Brazilian Magnetic Resonance Imaging (MRI) Equipment Market Overview by End-User

Argentina

Argentine Magnetic Resonance Imaging (MRI) Equipment Market Overview by Architecture

Argentine Magnetic Resonance Imaging (MRI) Equipment Market Overview by Field Strength

Argentine Magnetic Resonance Imaging (MRI) Equipment Market Overview by Application

Argentine Magnetic Resonance Imaging (MRI) Equipment Market Overview by End-User

Rest of South America

Rest of South American Magnetic Resonance Imaging (MRI) Equipment Market Overview by Architecture

Rest of South American Magnetic Resonance Imaging (MRI) Equipment Market Overview by Field Strength

Rest of South American Magnetic Resonance Imaging (MRI) Equipment Market Overview by Application

Rest of South American Magnetic Resonance Imaging (MRI) Equipment Market Overview by End-User

10. Rest of World

Rest of World Magnetic Resonance Imaging (MRI) Equipment Market Overview by Architecture

Rest of World Magnetic Resonance Imaging (MRI) Equipment Market Overview by Field Strength

Rest of World Magnetic Resonance Imaging (MRI) Equipment Market Overview by Application

Rest of World Magnetic Resonance Imaging (MRI) Equipment Market Overview by End-User

## **PART C: GUIDE TO THE INDUSTRY**

## **PART D: ANNEXURE**

1. RESEARCH METHODOLOGY
2. FEEDBACK

## I would like to order

Product name: Magnetic Resonance Imaging (MRI) Equipment – A Global Market Overview

Product link: <https://marketpublishers.com/r/M198FE7BFEDDEEN.html>

Price: US\$ 4,500.00 (Single User License / Electronic Delivery)

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

[info@marketpublishers.com](mailto:info@marketpublishers.com)

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/M198FE7BFEDDEEN.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