

Magnetic Resonance Imaging Systems Devices And Equipment Market Outlook 2025-2034: Market Share, and Growth Analysis By Type (Close MRI, Open MRI), By Application (Oncology, Neurology, Cardiology, Inflammatory and Infectious Diseases, Other Applications), By End User

<https://marketpublishers.com/r/M2A9E9A7FE07EN.html>

Date: October 2025

Pages: 160

Price: US\$ 3,950.00 (Single User License)

ID: M2A9E9A7FE07EN

Abstracts

The Magnetic Resonance Imaging Systems Devices And Equipment Market is valued at USD 9.3 billion in 2025 and is projected to grow at a CAGR of 8.7% to reach USD 19.7 billion by 2034. The magnetic resonance imaging (MRI) systems, devices, and equipment market encompasses the entire ecosystem of integrated technologies used for MRI scanning, including the central imaging console, RF coils, magnet systems, software platforms, gradient systems, and other essential diagnostic components. These integrated systems are widely deployed in hospitals, diagnostic imaging centers, and research institutions to offer non-invasive, high-contrast imaging for a wide range of medical applications. The MRI systems market plays a pivotal role in neurology, cardiology, oncology, musculoskeletal imaging, and research, offering powerful tools for early detection, treatment planning, and disease monitoring. Increasing demand for high-performance diagnostic solutions continues to push innovation across system configurations and imaging platforms. The MRI systems, devices, and equipment market grew significantly, driven by healthcare modernization in Asia-Pacific, Europe, and the U.S. Multi-system tenders were awarded in developing nations under national diagnostic access programs. AI-powered MRI systems that streamline workflows, reduce scan time, and improve diagnostic consistency gained popularity among radiologists facing high workloads. 3T systems dominated new installations in urban hospitals, while outpatient centers adopted lower-cost, energy-efficient systems. Software upgrades allowed legacy equipment to perform advanced scans, extending

their usable lifespan. Equipment manufacturers partnered with cloud service providers to offer integrated PACS and remote support, improving interoperability and service uptime. The MRI systems market will shift toward modular systems that support plug-and-play coil designs, patient-specific imaging presets, and cross-modality integration. Functional MRI (fMRI) and real-time cardiac imaging will be enabled by faster reconstruction algorithms and high-performance computing platforms. Global initiatives to reduce diagnostic inequality will drive mobile MRI units and container-based imaging solutions. Carbon-neutral imaging centers and MRI systems with low helium consumption will reflect growing sustainability priorities. Continuous software updates and AI-based image interpretation tools will make MRI diagnostics more accessible to general practitioners and telemedicine platforms, redefining the future of collaborative care.

Key Insights Magnetic Resonance Imaging Systems Devices And Equipment Market

Growth in AI-integrated MRI systems is accelerating automation in image acquisition, reconstruction, and clinical decision support workflows.

Hybrid imaging solutions that combine MRI with PET or ultrasound are gaining traction in oncology and research diagnostics for multi-layered insights.

Modular system architectures are allowing hospitals to customize coil combinations and software for specialty imaging needs.

Cloud-based imaging platforms are enhancing data sharing, remote diagnostics, and integration with enterprise health information systems.

Environmental sustainability is influencing system design, with vendors introducing energy-efficient components and low-helium MRI machines.

Expanding global diagnostic infrastructure and healthcare access programs are increasing the demand for advanced and portable MRI systems.

Rising prevalence of chronic diseases and neurological disorders is boosting clinical reliance on MRI for early and accurate diagnosis.

Continuous innovation in software and hardware components is improving image quality and reducing operating costs for imaging providers.

Integration with electronic health records and enterprise imaging systems is making MRI data more accessible for multidisciplinary care teams.

Limited access to trained radiology personnel and complex system operation hinder broader adoption in low-resource healthcare settings.

Cybersecurity threats and interoperability issues between legacy imaging systems and cloud platforms can compromise patient data integrity and system efficiency.

Magnetic Resonance Imaging Systems Devices And Equipment Market Segmentation

By Type

Close MRI

Open MRI

By Application

Oncology

Neurology

Cardiology

Inflammatory and Infectious Diseases

Other Applications

By End User

Hospitals

Imaging centers

Ambulatory surgical centers

Key Companies Analysed

Siemens Healthineers

GE Healthcare

Philips Healthcare

Hitachi Ltd.

Canon Medical Systems

Esaote S.p.A

Bruker Corporation

Fonar Corporation

Neusoft Medical Systems Co. Ltd.

Time Medical Systems

Aurora Imaging Technology

AllTech Medical Systems

Magnetica

Tomtec Imaging Systems GMBH

Sanrad Medical Systems Pvt. Ltd.

Agilent Technologies Inc.

Analogic Corporation

Hologic Inc

IMRIS Inc.

Innervision Mri

Medinus Co.

Medtronic plc

Millennium Technology Inc.

Mindray Medical International Ltd.

MR Solutions

Toshiba Corporation

Koninklijke Philips N.V.

Hyperfine

Magnetic Resonance Imaging Systems Devices And Equipment Market Analytics

The report employs rigorous tools, including Porter's Five Forces, value chain mapping, and scenario-based modeling, to assess supply–demand dynamics. Cross-sector influences from parent, derived, and substitute markets are evaluated to identify risks and opportunities. Trade and pricing analytics provide an up-to-date view of international flows, including leading exporters, importers, and regional price trends.

Macroeconomic indicators, policy frameworks such as carbon pricing and energy security strategies, and evolving consumer behavior are considered in forecasting scenarios. Recent deal flows, partnerships, and technology innovations are incorporated to assess their impact on future market performance.

Magnetic Resonance Imaging Systems Devices And Equipment Market Competitive Intelligence

The competitive landscape is mapped through OG Analysis' proprietary frameworks, profiling leading companies with details on business models, product portfolios, financial performance, and strategic initiatives. Key developments such as mergers & acquisitions, technology collaborations, investment inflows, and regional expansions are analyzed for their competitive impact. The report also identifies emerging players and innovative startups contributing to market disruption.

Regional insights highlight the most promising investment destinations, regulatory landscapes, and evolving partnerships across energy and industrial corridors.

Countries Covered

North America — Magnetic Resonance Imaging Systems Devices And Equipment market data and outlook to 2034

United States

Canada

Mexico

Europe — Magnetic Resonance Imaging Systems Devices And Equipment market data and outlook to 2034

Germany

United Kingdom

France

Italy

Spain

BeNeLux

Russia

Sweden

Asia-Pacific — Magnetic Resonance Imaging Systems Devices And Equipment market data and outlook to 2034

China

Japan

India

South Korea

Australia

Indonesia

Malaysia

Vietnam

Middle East and Africa — Magnetic Resonance Imaging Systems Devices And Equipment market data and outlook to 2034

Saudi Arabia

South Africa

Iran

UAE

Egypt

South and Central America — Magnetic Resonance Imaging Systems Devices And Equipment market data and outlook to 2034

Brazil

Argentina

Chile

Peru

** We can include data and analysis of additional countries on demand.*

Research Methodology

This study combines primary inputs from industry experts across the Magnetic Resonance Imaging Systems Devices And Equipment value chain with secondary data from associations, government publications, trade databases, and company disclosures. Proprietary modeling techniques, including data triangulation, statistical correlation, and scenario planning, are applied to deliver reliable market sizing and forecasting.

Key Questions Addressed

What is the current and forecast market size of the Magnetic Resonance Imaging Systems Devices And Equipment industry at global, regional, and country levels?

Which types, applications, and technologies present the highest growth potential?

How are supply chains adapting to geopolitical and economic shocks?

What role do policy frameworks, trade flows, and sustainability targets play in shaping demand?

Who are the leading players, and how are their strategies evolving in the face of global uncertainty?

Which regional “hotspots” and customer segments will outpace the market, and what go-to-market and partnership models best support entry and expansion?

Where are the most investable opportunities—across technology roadmaps, sustainability-linked innovation, and M&A—and what is the best segment to

invest over the next 3–5 years?

Your Key Takeaways from the Magnetic Resonance Imaging Systems Devices And Equipment Market Report

Global Magnetic Resonance Imaging Systems Devices And Equipment market size and growth projections (CAGR), 2024-2034

Impact of Russia-Ukraine, Israel-Palestine, and Hamas conflicts on Magnetic Resonance Imaging Systems Devices And Equipment trade, costs, and supply chains

Magnetic Resonance Imaging Systems Devices And Equipment market size, share, and outlook across 5 regions and 27 countries, 2023-2034

Magnetic Resonance Imaging Systems Devices And Equipment market size, CAGR, and market share of key products, applications, and end-user verticals, 2023-2034

Short- and long-term Magnetic Resonance Imaging Systems Devices And Equipment market trends, drivers, restraints, and opportunities

Porter's Five Forces analysis, technological developments, and Magnetic Resonance Imaging Systems Devices And Equipment supply chain analysis

Magnetic Resonance Imaging Systems Devices And Equipment trade analysis, Magnetic Resonance Imaging Systems Devices And Equipment market price analysis, and Magnetic Resonance Imaging Systems Devices And Equipment supply/demand dynamics

Profiles of 5 leading companies—overview, key strategies, financials, and products

Latest Magnetic Resonance Imaging Systems Devices And Equipment market news and developments

Additional Support

With the purchase of this report, you will receive

An updated PDF report and an MS Excel data workbook containing all market tables and figures for easy analysis.

7-day post-sale analyst support for clarifications and in-scope supplementary data, ensuring the deliverable aligns precisely with your requirements.

Complimentary report update to incorporate the latest available data and the impact of recent market developments.

** The updated report will be delivered within 3 working days*

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