

MRI Motion Tracking Systems Market Size, Share & Trends Analysis Report by Type (Optical Tracking Systems, Software), By Product (Marker, Marker-less), By Region, And Segment Forecasts, 2022 - 2030

<https://marketpublishers.com/r/M2591C8FB155EN.html>

Date: August 2022

Pages: 120

Price: US\$ 5,950.00 (Single User License)

ID: M2591C8FB155EN

Abstracts

This report can be delivered to the clients within 3 Business Days

MRI Motion Tracking Systems Market Growth & Trends

The global MRI motion tracking systems market size is expected to reach USD 12.48 million by 2030 registering a CAGR of 20.7% according to a new report by Grand View Research, Inc. The increased need by radiologists to capture sharp and clear images with reduced artifacts, minimized errors, and reduced need for multiple MRI scans, are factors influencing the growth of the industry.

During MRI scans, especially brain scans, it is absolutely necessary for the patient's head to remain still, which often causes discomfort to the patients, resulting in unclear and blurred images. This ultimately prevents the radiologists from effectively analyzing MRI images and forces them to conduct multiple scans. Unnecessary scans cause a great economic burden on the hospital, radiologist, and insurer. Hence, it calls for systems such as motion tracking that save analysis time, ensure patient comfort, and improve diagnostic capabilities.

This market is at a nascent stage, as only 2 companies across the globe, named, Kinetikor and TraclInnovations, have received FDA approval for the commercialization of their products. The addition of such systems within the MRI systems provides the following advantages:

Reduced need for sedation among children and patients with involuntary motions.

Minimized scanning cost: MRI motion tracking systems, reduces the need for multiple scans due to motion artifacts, saving ~\$115,000 per scanner per year. Such systems further save ~\$145,000 by eliminating the need for sedation.

The images obtained by these systems hold high correction freedom of up to 6 degrees for MRI application.

Quick image capturing: These systems record images at 60 frames per second.

They have high compatibility with Siemens, Phillips, and GE MRI, and can fit easily in any bore size and field strength of 1.5 T to 7 T machines.

Numerous research is been conducted in this space to determine system efficacy, safety, and accuracy. Motion tracking systems from new market entrants like Metria Innovations are being used by numerous research institutes and universities and are soon to receive FDA approval for product launch. Various universities are developing their own systems for research purposes and may file FDA approvals for the same. Hence, the market holds great potential for new entrants as there is a limited presence of highly sophisticated systems at the moment.

MRI Motion Tracking Systems Market Report Highlights

Optical Tracking Systems like cameras are largely adopted by MRI manufacturers due to their increased efficacy and image capture accuracy

The marker systems segment is expected to grow at a lucrative CAGR in the global market during the forecast period

The North America region dominated with a revenue share of 58.38% in 2021 and is expected to grow at a CAGR of over 20% from 2022 to 2030

Contents

CHAPTER 1 METHODOLOGY AND SCOPE

- 1.1 Market Segmentation & Scope
 - 1.1.1 Type
 - 1.1.2 Product
 - 1.1.3 Regional Scope
 - 1.1.4 Estimates and Forecast Timeline
- 1.2 Research Methodology
- 1.3 Information Procurement
 - 1.3.1 Purchased Database
 - 1.3.2 GVR's Internal Database
 - 1.3.3 Secondary Sources
 - 1.3.4 Primary Research
 - 1.3.5 Details of Primary Research
 - 1.3.5.1 Data for primary interviews in North America
 - 1.3.5.2 Data for Primary Interviews in Europe
 - 1.3.5.3 Data for Primary Interviews in Europe
 - 1.3.5.4 Data for Primary Interviews in Rest of the world
- 1.4 Information or Data Analysis
 - 1.4.1 Data Analysis Models
- 1.5 Market Formulation & Validation
- 1.6 Model Details
 - 1.6.1 Commodity Flow Analysis (Model 1)
 - 1.6.1.1 Approach 1: Commodity Flow Approach
 - 1.6.2 Volume Price Analysis (Model 2)
 - 1.6.2.1 Approach 2: Volume Price Analysis
- 1.7 List of Secondary Sources
- 1.8 Objectives
 - 1.8.1 Objective
 - 1.8.2 Objective

CHAPTER 2 EXECUTIVE SUMMARY

- 2.1 Market Outlook
- 2.2 Segment Outlook
 - 2.2.1 Type Outlook
 - 2.2.2 Product Outlook

- 2.2.3 Regional Outlook
- 2.3 Competitive Insights

CHAPTER 3 MARKET VARIABLES, TRENDS & SCOPE

- 3.1 Market Lineage Outlook
 - 3.1.1 Parent market outlook
- 3.2 Penetration & Growth Prospect Mapping
 - 3.2.1 Reimbursement framework
- 3.3 Market Dynamics
 - 3.3.1 Market Driver Analysis
 - 3.3.1.1 Increased need to reduce motion artifacts and scanning frequency
 - 3.3.1.2 Need to decrease unnecessary cost of MRI scan
 - 3.3.2 Market Restraint Analysis
 - 3.3.2.1 Stringent FDA regulations
- 3.4 Magnetic Resonance Imaging Market Analysis Tools
 - 3.4.1 Industry Analysis - Porter's
 - 3.4.1.1 Supplier Power
 - 3.4.1.2 Buyer Power
 - 3.4.1.3 Substitution Threat
 - 3.4.1.4 Threat from new entrant
 - 3.4.1.5 Competitive rivalry
 - 3.4.2 PESTEL Analysis
 - 3.4.2.1 Political Landscape
 - 3.4.2.2 Technological Landscape
 - 3.4.2.3 Economic Landscape
 - 3.4.3 Major Deals & Strategic Alliances Analysis
 - 3.4.4 Market Entry Strategies

CHAPTER 4 TYPE BUSINESS ANALYSIS

- 4.1 Definitions and Scope
 - 4.1.1 Optical Tracking System
 - 4.1.2 Software
- 4.2 Type Market Share Analysis
- 4.3 Segment Dashboard
- 4.4 Global Magnetic Resonance Imaging Market by Type
- 4.5 Market Size & Forecasts and Trend Analyses, 2017 to 2030 for the following
- 4.6 Optical Tracking Systems

- 4.6.1 Optical Tracking Systems Market Estimates And Forecast, 2020 - 2030
- 4.7 Software
 - 4.7.1 Software Market Estimates And Forecast, 2020 - 2030

CHAPTER 5 PRODUCT BUSINESS ANALYSIS

- 5.1 Definitions and Scope
 - 5.1.1 Marker system
 - 5.1.2 Markerless system
- 5.2 Product Market Share Analysis
- 5.3 Segment Dashboard
- 5.4 Global Magnetic Resonance Imaging Market by Strength
- 5.5 Market Size & Forecasts and Trend Analyses, 2017 to 2030 for the following
 - 5.5.1 Marker system
 - 5.5.1.1 Marker system Market Estimates And Forecast, 2020 - 2030
 - 5.5.2 Markerless system
 - 5.5.2.1 Markerless system Market Estimates and Forecast, 2020 - 2030

CHAPTER 6 MAGNETIC RESONANCE IMAGING MARKET: REGIONAL MARKET ANALYSIS, 2020 - 2030 (VALUE & VOLUME) (USD MILLION)

- 6.1 Regional market share analysis, 2020 & 2030
- 6.2 Regional Market Dashboard
- 6.3 Global Regional Market Snapshot
- 6.4 Regional Market Share and Leading Players, 2020
 - 6.4.1 North America
 - 6.4.2 Europe
 - 6.4.3 Asia Pacific
 - 6.4.4 Latin America
 - 6.4.5 Middle East & Africa
- 6.5 SWOT Analysis, by Factor (Political & Legal, Economic and Technological)
 - 6.5.1 North America
 - 6.5.2 Europe
 - 6.5.3 Asia Pacific
 - 6.5.4 Latin America
 - 6.5.5 Middle East & Africa
- 6.6 Market Size, & Forecasts, Volume and Trend Analysis, 2020 to 2030:
- 6.7 North America
 - 6.7.1 Market estimates and forecast, 2020 - 2030

6.7.2 U.S.

6.7.2.1 U.S. market estimates and forecast, 2020 - 2030

6.7.3 Canada

6.7.3.1 Canada market estimates and forecast, 2020 - 2030

6.8 Europe

6.8.1 Europe. market estimates and forecast, 2020 - 2030

6.8.2 Germany

6.8.2.1 Germany market estimates and forecast, 2020 - 2030

6.8.3 U.K.

6.8.3.1 U.K. market estimates and forecast, 2020 - 2030

6.8.4 France

6.8.4.1 France market estimates and forecast, 2020 - 2030

6.8.5 Italy

6.8.5.1 Italy market estimates and forecast, 2020 - 2030

6.8.6 Spain

6.8.6.1 Spain market estimates and forecast, 2020 - 2030

6.9 Asia Pacific

6.9.1 Asia Pacific market estimates and forecast, 2020 - 2030

6.9.2 China

6.9.2.1 Market estimates and forecast, 2020 - 2030

6.9.3 Japan

6.9.3.1 Japan market estimates and forecast, 2020 - 2030

6.9.4 India

6.9.4.1 India. market estimates and forecast, 2020 - 2030

6.9.5 South Korea

6.9.5.1 South Korea market estimates and forecast, 2020 - 2030

6.10 Latin America

6.10.1 Latin America market estimates and forecast, 2020 - 2030

6.10.2 Brazil

6.10.2.1 Brazil market estimates and forecast, 2020 - 2030

6.10.3 Mexico

6.10.3.1 Market estimates and forecast, 2020 - 2030

6.10.4 Argentina

6.10.4.1 Argentina market estimates and forecast, 2015 - 2025

6.11 Middle East and Africa

6.11.1 Market estimates and forecast, 2020 - 2030

6.11.2 South Africa

6.11.2.1 South Africa market estimates and forecast, 2020 - 2030

6.11.3 Saudi Arabia

6.11.3.1 Saudi Arabia market estimates and forecast, 2020 - 2030

6.11.4 UAE

6.11.4.1 UAE market estimates and forecast, 2020 - 2030

CHAPTER 7 MAGNETIC RESONANCE IMAGING MARKET: COMPETITIVE MARKET ANALYSIS,

7.1 Recent Developments & Impact Analysis, By Key Market Participants

7.2 Company/Competition Categorization

7.2.1 Innovators

7.3 Vendor Landscape

7.3.1 List of Key Distributors and Channel Partners

7.3.2 Key customers

7.3.3 Key company market share analysis, 2020

7.4 Manufacturers

7.4.1 TraclInnovations

7.4.2 Kineticor

7.5 OEM

7.5.1 Theia

7.6 New Entrants

7.6.1 Metria Innovations

List Of Tables

LIST OF TABLES

Table 1 List of Abbreviations

Table 2 North America MRI Motion Tracking Systems market, by region, 2020 - 2030 (USD Million)

Table 3 North America MRI Motion Tracking Systems market, by type, 2020 - 2030 (USD Million)

Table 4 North America MRI Motion Tracking Systems market, by product, 2020 - 2030 (USD Million)

Table 5 U.S. MRI Motion Tracking Systems market, by type, 2020 - 2030 (USD Million)

Table 6 U.S. MRI Motion Tracking Systems market, by product, 2020 - 2030 (USD Million)

Table 7 Canada MRI Motion Tracking Systems market, by type, 2020 - 2030 (USD Million)

Table 8 Canada MRI Motion Tracking Systems market, by product, 2020 - 2030 (USD Million)

Table 9 Europe MRI Motion Tracking Systems market, by region, 2020 - 2030 (USD Million)

Table 10 Europe MRI Motion Tracking Systems market, by type, 2020 - 2030 (USD Million)

Table 11 Europe MRI Motion Tracking Systems market, by product, 2020 - 2030 (USD Million)

Table 12 U.K. MRI Motion Tracking Systems market, by type, 2020 - 2030 (USD Million)

Table 13 U.K. MRI Motion Tracking Systems market, by product, 2020 - 2030 (USD Million)

Table 14 Germany MRI Motion Tracking Systems market, by type, 2020 - 2030 (USD Million)

Table 15 Germany MRI Motion Tracking Systems market, by product, 2020 - 2030 (USD Million)

Table 16 Spain MRI Motion Tracking Systems market, by type, 2020 - 2030 (USD Million)

Table 17 Spain MRI Motion Tracking Systems market, by product, 2020 - 2030 (USD Million)

Table 18 France MRI Motion Tracking Systems market, by type, 2020 - 2030 (USD Million)

Table 19 France MRI Motion Tracking Systems market, by product, 2020 - 2030 (USD Million)

Table 20 Italy MRI Motion Tracking Systems market, by type, 2020 - 2030 (USD Million)

Table 21 Italy MRI Motion Tracking Systems market, by product, 2020 - 2030 (USD Million)

Table 22 Asia Pacific MRI Motion Tracking Systems market, by region, 2020 - 2030 (USD Million)

Table 23 Asia Pacific MRI Motion Tracking Systems market, by type, 2020 - 2030 (USD Million)

Table 24 Asia Pacific MRI Motion Tracking Systems market, by product, 2020 - 2030 (USD Million)

Table 25 China MRI Motion Tracking Systems market, by type, 2020 - 2030 (USD Million)

Table 26 China MRI Motion Tracking Systems market, by product, 2020 - 2030 (USD Million)

Table 27 India MRI Motion Tracking Systems market, by type, 2020 - 2030 (USD Million)

Table 28 India MRI Motion Tracking Systems market, by product, 2020 - 2030 (USD Million)

Table 29 Japan MRI Motion Tracking Systems market, by type, 2020 - 2030 (USD Million)

Table 30 Japan MRI Motion Tracking Systems market, by product, 2020 - 2030 (USD Million)

Table 31 South Korea MRI Motion Tracking Systems market, by type, 2020 - 2030 (USD Million)

Table 32 Latin America MRI Motion Tracking Systems market, by region, 2020 - 2030 (USD Million)

Table 33 Latin America MRI Motion Tracking Systems market, by type, 2020 - 2030 (USD Million)

Table 34 Latin America MRI Motion Tracking Systems market, by product, 2020 - 2030 (USD Million)

Table 35 Brazil MRI Motion Tracking Systems market, by type, 2020 - 2030 (USD Million)

Table 36 Mexico MRI Motion Tracking Systems market, by type, 2020 - 2030 (USD Million)

Table 37 Mexico MRI Motion Tracking Systems market, by product, 2020 - 2030 (USD Million)

Table 38 Argentina MRI Motion Tracking Systems market, by type, 2020 - 2030 (USD Million)

Table 39 Argentina MRI Motion Tracking Systems market, by product, 2020 - 2030 (USD Million)

Table 40 Columbia MRI Motion Tracking Systems market, by type, 2020 - 2030 (USD Million)

Table 41 Columbia MRI Motion Tracking Systems market, by product, 2020 - 2030 (USD Million)

Table 42 MEA MRI Motion Tracking Systems market, by region, 2020 - 2030 (USD Million)

Table 43 MEA MRI Motion Tracking Systems market, by type, 2020 - 2030 (USD Million)

Table 44 MEA MRI Motion Tracking Systems market, by product, 2020 - 2030 (USD Million)

Table 45 South Africa MRI Motion Tracking Systems market, by type, 2020 - 2030 (USD Million)

Table 46 South Africa MRI Motion Tracking Systems market, by product, 2020 - 2030 (USD Million)

Table 47 Saudi Arabia MRI Motion Tracking Systems market, by type, 2020 - 2030 (USD Million)

Table 48 UAE MRI Motion Tracking Systems market, by type, 2020 - 2030 (USD Million)

Table 49 UAE MRI Motion Tracking Systems market, by product, 2020 - 2030 (USD Million)

List Of Figures

LIST OF FIGURES

- Fig. 1 Market research process
- Fig. 2 Data triangulation techniques
- Fig. 3 Primary research pattern
- Fig. 4 Primary interviews in North America
- Fig. 5 Primary interviews in Europe
- Fig. 6 Primary interviews in APAC
- Fig. 7 Primary interviews in Latin America
- Fig. 8 Primary interviews in MEA
- Fig. 9 Market research approaches
- Fig. 10 Value-chain-based sizing & forecasting
- Fig. 11 QFD modeling for market share assessment
- Fig. 12 Market formulation & validation
- Fig. 13 MRI Motion Tracking Systems market: market outlook
- Fig. 14 MRI Motion Tracking Systems market competitive insights
- Fig. 15 Parent market outlook
- Fig. 16 Related/ancillary market outlook
- Fig. 17 Penetration and growth prospect mapping
- Fig. 18 Industry value chain analysis
- Fig. 19 MRI Motion Tracking Systems market driver impact
- Fig. 20 MRI Motion Tracking Systems market restraint impact
- Fig. 21 MRI Motion Tracking Systems market strategic initiatives analysis
- Fig. 22 MRI Motion Tracking Systems market: type movement analysis
- Fig. 23 MRI Motion Tracking Systems market: type outlook and key takeaways
- Fig. 24 Optical Tracking System market estimates and forecast, 2020 - 2030
- Fig. 25 Software market estimates and forecast, 2020 - 2030
- Fig. 26 MRI Motion Tracking Systems market: product movement analysis
- Fig. 27 MRI Motion Tracking Systems market: product outlook and key takeaways
- Fig. 28 Marker system market estimates and forecast, 2020 - 2030
- Fig. 29 Markerless system market estimates and forecast, 2020 - 2030
- Fig. 30 Global MRI Motion Tracking Systems market: Regional movement analysis
- Fig. 31 Global MRI Motion Tracking Systems market: regional outlook and key takeaways
- Fig. 32 Global market share and leading players
- Fig. 33 North America market share and leading players
- Fig. 34 Europe market share and leading players

- Fig. 35 Asia Pacific market share and leading players
- Fig. 36 Latin America market share and leading players
- Fig. 37 Middle East & Africa market share and leading players
- Fig. 38 North America: SWOT
- Fig. 39 Europe SWOT
- Fig. 40 Asia Pacific SWOT
- Fig. 41 Latin America SWOT
- Fig. 42 MEA SWOT
- Fig. 43 North America, by country
- Fig. 44 North America
- Fig. 45 North America market estimates and forecast, 2020 - 2030
- Fig. 46 U.S.
- Fig. 47 U.S. market estimates and forecast, 2020 - 2030
- Fig. 48 Canada
- Fig. 49 Canada market estimates and forecast, 2020 - 2030
- Fig. 50 Europe
- Fig. 51 Europe. market estimates and forecast, 2020 - 2030
- Fig. 52 U.K.
- Fig. 53 U.K. market estimates and forecast, 2020 - 2030
- Fig. 54 Germany
- Fig. 55 Germany market estimates and forecast, 2020 - 2030
- Fig. 56 France
- Fig. 57 France market estimates and forecast, 2020 - 2030
- Fig. 58 Italy
- Fig. 59 Italy market estimates and forecast, 2020 - 2030
- Fig. 60 Spain
- Fig. 61 Spain market estimates and forecast, 2020 - 2030
- Fig. 62 Asia Pacific market estimates and forecast, 2020 - 2030
- Fig. 63 China
- Fig. 64 China market estimates and forecast, 2020 - 2030
- Fig. 65 Japan
- Fig. 66 Japan market estimates and forecast, 2020 - 2030
- Fig. 67 India
- Fig. 68 India market estimates and forecast, 2020 - 2030
- Fig. 69 South Korea
- Fig. 70 South Korea market estimates and forecast, 2020 - 2030
- Fig. 71 Latin America
- Fig. 72 Latin America market estimates and forecast, 2020 - 2030
- Fig. 73 Brazil

Fig. 74 Brazil market estimates and forecast, 2020 - 2030

Fig. 75 Mexico

Fig. 76 Mexico market estimates and forecast, 2020 - 2030

Fig. 77 Argentina

Fig. 78 Argentina market estimates and forecast, 2020 - 2030

Fig. 79 Middle East and Africa

Fig. 80 Middle East and Africa. market estimates and forecast, 2020 - 2030

Fig. 81 South Africa

Fig. 82 South Africa market estimates and forecast, 2020 - 2030

Fig. 83 Saudi Arabia

Fig. 84 Saudi Arabia market estimates and forecast, 2020 - 2030

Fig. 85 UAE

Fig. 86 UAE market estimates and forecast, 2020 - 2030

Fig. 87 Participant categorization - MRI Motion Tracking Systems market

Fig. 88 Market share of key market players - MRI Motion Tracking Systems market

I would like to order

Product name: MRI Motion Tracking Systems Market Size, Share & Trends Analysis Report by Type (Optical Tracking Systems, Software), By Product (Marker, Marker-less), By Region, And Segment Forecasts, 2022 - 2030

Product link: <https://marketpublishers.com/r/M2591C8FB155EN.html>

Price: US\$ 5,950.00 (Single User License / Electronic Delivery)

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

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/M2591C8FB155EN.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