Magnetic Resonance Imaging (MRI)-Compatible Syringe Pump Market Set For Rapid Expansion With 7.7% CAGR Through 2030

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The Business Research Company

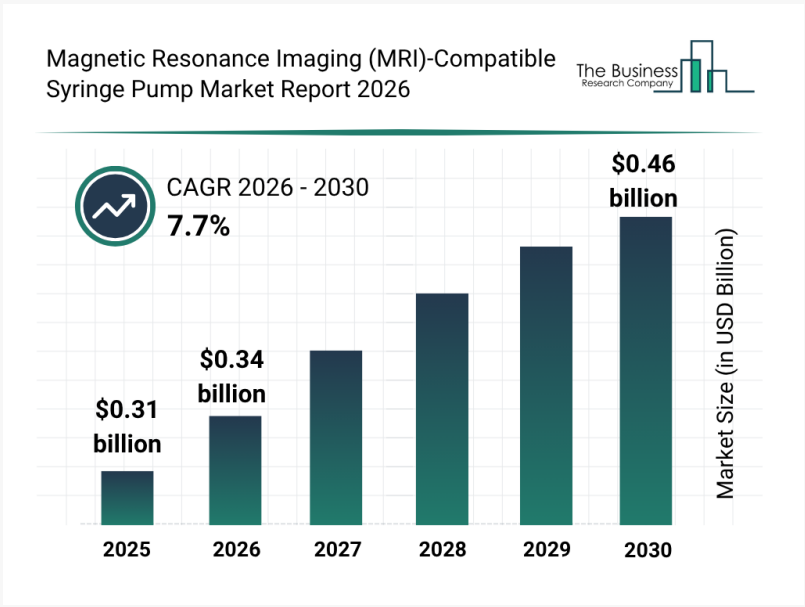
LONDON, GREATER LONDON, UNITED KINGDOM, September 18, 2026 /EINPresswire.com/ -- "The market for magnetic resonance imaging (MRI)-compatible syringe pumps is gaining significant attention as healthcare providers increasingly demand precision and safety during MRI procedures. These specialized infusion devices play a crucial role in delivering medications and contrast agents accurately without disrupting the imaging process. Below, we explore the current market size, the driving factors behind its growth, and regional prospects shaping the future of this niche sector.

> Expected to grow to $3.11 billion in 2030 at a compound annual growth rate (CAGR) of 13.7%”
>
> *The Business Research Company*

Projected Market Size and Growth Trajectory of the MRI-Compatible Syringe Pump Market

The MRI-compatible syringe pump market has seen impressive expansion recently and is set to continue on this upward path. Its value is expected to rise from $0.32 billion in 2025 to $0.34 billion in 2026, representing a compound annual growth rate (CAGR) of 7.5%. Historically, this growth has been driven by the increasing use of MRI diagnostics, a growing need for precise contrast agent delivery, heightened patient safety concerns during imaging, the expansion of advanced diagnostic facilities, and the rising application of infusion systems in critical care settings. Looking ahead, the market is anticipated to reach $0.46 billion by 2030 at a slightly higher CAGR of 7.7%, fueled by the adoption of advanced MRI-guided procedures, programmable infusion technologies, integration of smart monitoring features, and substantial investments in healthcare infrastructure. Key trends during this forecast period include a surge in MRI-

compatible infusion devices, the development of programmable syringe pumps, enhanced safety in contrast agent administration, innovation in non-magnetic medical device designs, and a growing preference for continuous infusion protocols during MRI exams.



Magnetic Resonance Imaging (MRI)-Compatible Syringe Pump Market Report 2026 Market Overview

Download a free sample of the magnetic resonance imaging (mri)-compatible syringe pump market report: https://www.thebusinessresearchcompany.com/sample_request?id=55880739&type=smp&name=Magnetic%20Resonance%20Imaging%20%28MRI%29-Compatible%20Syringe%20Pump%20Market%20Report%202026&utm_source=EINPresswire&utm_medium=paid&utm_campaign=Sep_PR

Understanding the Functionality of MRI-Compatible Syringe Pumps
MRI-compatible syringe pumps are designed as specialized infusion devices that administer precise volumes of fluids, drugs, or contrast agents safely during MRI scans. Constructed from non-magnetic materials, these pumps avoid interference with MRI equipment to maintain optimal image clarity. They offer either continuous or programmable infusion modes, thereby ensuring patient safety and consistent therapeutic delivery throughout the imaging process.

Rising Prevalence of Complex Chronic Diseases as a Growth Catalyst
A significant factor driving market expansion is the increasing global burden of complex chronic diseases, which involve multiple persistent and often interrelated health conditions requiring ongoing, coordinated medical care. This trend is largely influenced by an aging population, as older adults are more likely to develop several long-term illnesses simultaneously. The heightened incidence of such diseases escalates the demand for continuous and precise medication infusion during MRI procedures, pushing the need for MRI-compatible syringe pumps that facilitate safe and accurate drug delivery. For example, data from the Centers for Disease Control and Prevention in April 2025 highlights that in 2023, 76.4% (194 million) of US adults had at least one chronic condition, with 51.4% (130 million) coping with multiple chronic illnesses. This widespread prevalence underscores the growing necessity for reliable infusion pumps in diagnostic and treatment settings.

View the full magnetic resonance imaging (mri)-compatible syringe pump market report: https://www.thebusinessresearchcompany.com/report/magnetic-resonance-imaging-mri-

compatible-syringe-pump-market-report?utm_source=EINPresswire&utm_medium=paid&utm_campaign=Sep_PR

Increasing Number of MRI Procedures Boosting Market Demand
Another important growth driver is the rising volume of MRI scans, which are non-invasive imaging techniques using strong magnetic fields and radio waves to produce detailed images of internal body structures. The demand for MRIs is escalating due to their ability to deliver accurate, radiation-free visualization of soft tissues and organs. As more MRI procedures are performed, the necessity for MRI-compatible syringe pumps that provide safe, uninterrupted delivery of contrast agents and medications during these exams also grows. For instance, the National Institutes of Health reported in December 2025 that CT imaging increased by 60% and MRI activity by 31%, reflecting ongoing expansion in diagnostic imaging. This trend further propels the market for compatible infusion devices within MRI settings.

Regional Market Leadership and Growth Outlook
In 2025, North America held the largest share of the MRI-compatible syringe pump market, benefiting from advanced healthcare infrastructure and high adoption of cutting-edge medical technologies. However, the Asia-Pacific region is predicted to experience the fastest growth during the forecast period, driven by expanding healthcare investments and increasing demand for advanced imaging solutions. The market analysis covers key regions such as Asia-Pacific, South East Asia, Western Europe, Eastern Europe, North America, South America, the Middle East, and Africa, providing a global perspective on market dynamics.

The 2026 edition of our market reports now delivers enhanced analytical coverage through market attractiveness scoring and analysis, total addressable market (TAM) analysis, company scoring matrix graphics and tables, Excel-based forecasting dashboards, market hotspots infographics, key technologies and future trend analysis, plus updated graphics and tables.

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