

PET MRI Market Set to Surge at 9.8% CAGR, Reaching US\$ 338.9 Mn by 2029 – Persistence Market Research

Growing adoption of hybrid imaging fuels global market expansion.

BRENTFORD, ENGLAND, UNITED KINGDOM, October 15, 2025 /EINPresswire.com/ -- The global [PET MRI market](#) is poised for significant growth, with projections indicating a remarkable compound annual growth rate (CAGR) of 9.8% between 2022 and 2029. This growth trajectory is expected to elevate the market value from US\$ 176.3 million in 2022 to US\$ 338.9 million by 2029, as reported by



Research Report on

PET MRI Market

Size and Share Analysis by 2029

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PET MRI Market

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Understanding PET MRI Technology

Positron Emission Tomography (PET) combined with Magnetic Resonance Imaging (MRI) represents a cutting-edge advancement in medical imaging. PET provides functional imaging by detecting metabolic processes, while MRI offers high-resolution anatomical imaging. The integration of these technologies allows for simultaneous acquisition of both functional and anatomical data, enhancing diagnostic accuracy and enabling more precise treatment planning.

Market Drivers

Several factors contribute to the anticipated growth of the PET MRI market:

- **Rising Incidence of Chronic Diseases:** The increasing prevalence of conditions such as cancer, neurological disorders, and cardiovascular diseases necessitates advanced imaging techniques for early detection and effective management.
- **Advancements in Imaging Technology:** Continuous innovations in PET and MRI technologies improve image quality, reduce scan times, and enhance patient comfort, driving adoption rates

among healthcare providers.

- Demand for Early and Accurate Diagnosis: Healthcare professionals and patients alike are seeking diagnostic tools that offer comprehensive insights, making PET MRI systems an attractive option.
- Integration of Artificial Intelligence (AI): The incorporation of AI algorithms into PET MRI systems facilitates real-time image analysis, improving diagnostic accuracy and operational efficiency.

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Market Challenges

Despite the promising growth, the PET MRI market faces certain challenges:

- High Costs: The advanced technology and integration of PET and MRI systems result in high acquisition and maintenance costs, which may limit accessibility, especially in resource-constrained settings.
- Complexity of Operation: Operating PET MRI systems requires specialized training and expertise, potentially hindering widespread adoption.
- Limited Reimbursement Policies: In some regions, insurance coverage for PET MRI procedures is limited, affecting the affordability and utilization of these systems.

Regional Insights

- North America: The North American region is anticipated to hold a significant share of the PET MRI market due to the presence of advanced healthcare infrastructure, high healthcare expenditure, and early adoption of innovative technologies.
- Europe: Europe is expected to witness steady growth, driven by an aging population and increasing healthcare investments.
- Asia-Pacific: The Asia-Pacific region is projected to exhibit the highest growth rate, fueled by improving healthcare infrastructure, rising healthcare awareness, and expanding economic conditions.

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Competitive Landscape

Key players in the PET MRI market include:

- Siemens Healthineers: A leader in medical imaging, Siemens offers integrated PET MRI systems known for their high-quality imaging and reliability.
- GE Healthcare: GE provides advanced imaging solutions, including PET MRI systems, focusing on innovation and patient-centric designs.
- Philips Healthcare: Philips offers a range of PET MRI systems, emphasizing user-friendly

interfaces and advanced imaging capabilities.

- Canon Medical Systems: Canon is known for its cutting-edge imaging technology and commitment to enhancing diagnostic precision.
- United Imaging Healthcare: A newer entrant, United Imaging focuses on developing advanced imaging solutions, including PET MRI systems, to meet the growing demand for high-quality diagnostics.

Future Outlook

The PET MRI market is on a robust growth path, driven by technological advancements, increasing demand for early and accurate diagnosis, and expanding healthcare infrastructure globally. To capitalize on this growth, stakeholders should focus on:

- Innovation: Continuous research and development to enhance the capabilities of PET MRI systems, such as improving image resolution and reducing scan times.
- Affordability: Developing cost-effective solutions to make PET MRI technology accessible to a broader patient population.
- Training and Education: Providing comprehensive training programs to healthcare professionals to ensure optimal utilization of PET MRI systems.
- Policy Advocacy: Engaging with policymakers to expand reimbursement policies and support the adoption of advanced imaging technologies.

Conclusion

The PET MRI market is set for substantial growth between 2022 and 2029, with a projected market value of US\$ 338.9 million by 2029. While challenges such as high costs and operational complexity exist, the benefits of integrated imaging technology in diagnosing and managing complex diseases position PET MRI systems as a pivotal tool in modern healthcare. Stakeholders across the healthcare ecosystem must collaborate to overcome existing barriers and fully realize the potential of PET MRI technology in improving patient outcomes.

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