

Positron Emission Tomography Market Size, Trends, Analysis, and Outlook By Product (PET/CT Systems, PET/MRI Systems), By Application (Oncology, Neurological, Cardiovascular, Others), By End-User (Hospital & Surgical Centers, Diagnostic & Imaging Clinics, Ambulatory Care Centers, Others), by Country, Segment, and Companies, 2024-2032

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Abstracts

The global Positron Emission Tomography market size is poised to register 5.3% growth from 2024 to 2032, presenting significant growth prospects for companies operating in the industry. The industry study analyzes the global Positron Emission Tomography market across By Product (PET/CT Systems, PET/MRI Systems), By Application (Oncology, Neurological, Cardiovascular, Others), By End-User (Hospital & Surgical Centers, Diagnostic & Imaging Clinics, Ambulatory Care Centers, Others)

The future of the positron emission tomography (PET) market is influenced by advancements in radiopharmaceuticals, increasing applications in oncology and neurology, and growing demand for molecular imaging technologies with higher sensitivity and resolution. Positron emission tomography (PET) is a nuclear medicine imaging technique that uses radioactive tracers to visualize metabolic processes and physiological functions in living organisms, enabling the detection and characterization of diseases such as cancer, Alzheimer's disease, and cardiovascular disorders at the molecular level. With the rise of precision medicine, targeted therapies, and personalized cancer care, there is a growing need for PET imaging solutions that offer accurate disease staging, treatment response monitoring, and early detection of disease recurrence to guide clinical decision-making and improve patient outcomes. Further, technological innovations such as time-of-flight PET, digital PET detectors, and

combined PET/CT and PET/MRI systems are driving the development of next-generation PET imaging platforms with improved image quality, quantitative accuracy, and diagnostic performance for a wide range of clinical applications. Over the forecast period to 2030, expanding applications in neuroimaging, cardiac imaging, and theranostics, coupled with increasing availability of novel radiopharmaceuticals and targeted imaging agents, are expected to drive market growth and innovation, enabling healthcare providers and researchers to advance the field of molecular imaging and personalized medicine through the integration of PET imaging into routine clinical practice and translational research initiatives.

Positron Emission Tomography Market Drivers, Trends, Opportunities, and Growth Opportunities

This comprehensive study discusses the latest trends and the most pressing challenges for industry players and investors. The Positron Emission Tomography market research analyses the global market trends, key drivers, challenges, and opportunities in the industry. In addition, the latest Future of Positron Emission Tomography survey report provides the market size outlook across types, applications, and other segments across the world and regions. It provides data-driven insights and actionable recommendations for companies in the Positron Emission Tomography industry.

Key market trends defining the global Positron Emission Tomography demand in 2024 and Beyond

The industry continues to remain an attractive hub for opportunities for both domestic and global vendors. As the market evolves, factors such as emerging market dynamics, demand from end-user sectors, a growing patient base, changes in consumption patterns, and widening distribution channels continue to play a major role.

Positron Emission Tomography Market Segmentation- Industry Share, Market Size, and Outlook to 2032

The Positron Emission Tomography industry comprises a wide range of segments and sub-segments. The rising demand for these product types and applications is supporting companies to increase their investment levels across niche segments. Accordingly, leading companies plan to generate a large share of their future revenue growth from expansion into these niche segments. The report presents the market size outlook across segments to support Positron Emission Tomography companies scaling up production in these sub-segments with a focus on expanding into emerging

countries.

Key strategies adopted by companies within the Positron Emission Tomography industry

Leading Positron Emission Tomography companies are boosting investments to capitalize on untapped potential and future possibilities across niche market segments and surging demand conditions in key regions. Further, companies are leveraging advanced technologies to unlock opportunities and achieve operational excellence. The report provides key strategies opted for by the top 10 Positron Emission Tomography companies.

Positron Emission Tomography Market Study- Strategic Analysis Review

The Positron Emission Tomography market research report dives deep into the qualitative factors shaping the market, empowering you to make informed decisions-

Industry Dynamics: Porter's Five Forces analysis to understand bargaining power, competitive rivalry, and threats that impact long-term strategy formulation.

Strategic Insights: Provides valuable perspectives on key players and their approaches based on comprehensive strategy analysis.

Internal Strengths and Weaknesses: Develop targeted strategies to leverage strengths, address weaknesses, and capitalize on market opportunities.

Future Possibilities: Prepare for diverse outcomes with in-depth scenario analysis. Explore potential market disruptions, technology advancements, and economic changes.

Positron Emission Tomography Market Size Outlook- Historic and Forecast Revenue in Three Cases

The Positron Emission Tomography industry report provides a detailed analysis and outlook of revenue generated by companies from 2018 to 2023. Further, with actual data for 2023, the report forecasts the market size outlook from 2024 to 2032 in three case scenarios- low case, reference case, and high case scenarios.

Positron Emission Tomography Country Analysis and Revenue Outlook to 2032

The report analyses 22 countries worldwide including the key driving forces and market size outlook from 2021 to 2032. In addition, region analysis across Asia Pacific, Europe, the Middle East, Africa, North America, and South America is included in the study. For each of the six regions, the market size outlook by segments is forecast for 2032.

North America Positron Emission Tomography Market Size Outlook- Companies plan for focused investments in a changing environment

The US continues to remain the market leader in North America, driven by a large consumer base, the presence of well-established providers, and a strong healthcare infrastructure. Leading companies focus on new product launches in the changing environment. The US healthcare expenditure is expected to grow to \$4.8 trillion in 2024 (around 3.7% growth in 2024), potentially driving demand for various Positron Emission Tomography market segments. Similarly, Strong market demand is encouraging Canadian Positron Emission Tomography companies to invest in niche segments. Further, as Mexico continues to strengthen its relations and invest in technological advancements, the Mexico Positron Emission Tomography market is expected to experience significant expansion, offering lucrative opportunities for both domestic and international stakeholders.

Europe Positron Emission Tomography Market Size Outlook-Companies investing in assessing consumers, categories, competitors, and capabilities

The German industry remains the major market for companies in the European Positron Emission Tomography industry with consumers in Germany, France, the UK, Spain, Italy, and others anticipated to register a steady demand throughout the forecast period, driving the overall market prospects. In addition, the proactive approach of vendors in identifying and leveraging new growth prospects positions the European Positron Emission Tomography market for an upward trajectory, fostering both domestic and international interest. Leading brands operating in the industry are emphasizing effective marketing strategies, innovative product offerings, and a keen understanding of consumer preferences.

Asia Pacific Positron Emission Tomography Market Size Outlook- an attractive hub for opportunities for both local and global companies

The increasing prevalence of indications, robust healthcare expenditure, and increasing investments in healthcare infrastructure drive the demand for Positron Emission Tomography in Asia Pacific. In particular, China, India, and South East Asian Positron Emission Tomography markets present a compelling outlook for 2032, acting as a magnet for both domestic and multinational vendors seeking growth opportunities. Similarly, with a burgeoning population and a rising middle class, India offers a vast consumer market. Japanese and Korean companies are quickly aligning their strategies to navigate changes, explore new markets, and enhance their competitive edge. Our report utilizes in-depth interviews with industry experts and comprehensive data analysis to provide a comprehensive outlook of 6 major countries in the APAC region.

Latin America Positron Emission Tomography Market Size Outlook- Continued urbanization and rising income levels

Rising income levels contribute to greater purchasing power among consumers, spurring consumption and creating opportunities for market expansion. Continued urbanization and rising income levels are expected to sustainably drive consumption growth in the medium to long term.

Middle East and Africa Positron Emission Tomography Market Size Outlook- continues its upward trajectory across segments

Robust demand from Middle Eastern countries including Saudi Arabia, the UAE, Qatar, Kuwait, and other GCC countries supports the overall Middle East Positron Emission Tomography market potential. Fueled by increasing healthcare expenditure of individuals, growing population, and high prevalence across a few markets drives the demand for Positron Emission Tomography.

Positron Emission Tomography Market Company Profiles

The global Positron Emission Tomography market is characterized by intense competitive conditions with leading companies opting for aggressive marketing to gain market shares. The report presents business descriptions, SWOT analysis, growth strategies, and financial profiles. Leading companies included in the study are Brain Biosciences Inc, Canon Inc, CMR Naviscan Corp, GE Healthcare, Kindsway Biotech Company Ltd, Koninklijke Philips N.V., Mediso Ltd, MinFound Medical Systems Co. Ltd, Molecubes NV, Neusoft Corp, Oncovision S.L., Positron Corp, Shanghai United Imaging Healthcare Co. Ltd, Shimadzu Corp, Siemens Healthineers AG.

Recent Positron Emission Tomography Market Developments

The global Positron Emission Tomography market study presents recent market news and developments including new product launches, mergers, acquisitions, expansions, product approvals, and other updates in the industry.

Positron Emission Tomography Market Report Scope

Parameters: Revenue, Volume Price

Study Period: 2023 (Base Year); 2018- 2023 (Historic Period); 2024- 2032 (Forecast Period)

Currency: USD; (Upon request, can be provided in Euro, JPY, GBP, and other Local Currency)

Qualitative Analysis

Pricing Analysis

Value Chain Analysis

SWOT Profile

Market Dynamics- Trends, Drivers, Challenges

Porter's Five Forces Analysis

Macroeconomic Impact Analysis

Case Scenarios- Low, Base, High

Market Segmentation:

By Product

PET/CT Systems

-Low Slice Scanners

-Medium Slice Scanners

-High Slice Scanners

PET/MRI Systems

By Application

Oncology

Neurological

Cardiovascular

Others

By End-User

Hospital & Surgical Centers

Diagnostic & Imaging Clinics

Ambulatory Care Centers

Others

Geographical Segmentation:

North America (3 markets)

Europe (6 markets)

Asia Pacific (6 markets)

Latin America (3 markets)

Middle East Africa (5 markets)

Companies

Brain Biosciences Inc

Canon Inc

CMR Naviscan Corp

GE Healthcare

Kindsway Biotech Company Ltd

Koninklijke Philips N.V.

Mediso Ltd

MinFound Medical Systems Co. Ltd

Molecubes NV

Neusoft Corp

Oncovision S.L.

Positron Corp

Shanghai United Imaging Healthcare Co. Ltd

Shimadzu Corp

Siemens Healthineers AG

Formats Available: Excel, PDF, and PPT

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Others

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- Molecubes NV
- Neusoft Corp
- Oncovision S.L.
- Positron Corp

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