

PET Scanners Market Size, Trends, Analysis, and Outlook By Type (PET-CT, PET-MRI), By Application (Oncology, Cardiology, Neurology, Others), By End-user (Hospitals, Diagnostic Imaging Centers, Academic & Research Institutes), by Region, Country, Segment, and Companies, 2024-2030

<https://marketpublishers.com/r/P3A5F54AFB6CEN.html>

Date: March 2024

Pages: 190

Price: US\$ 3,980.00 (Single User License)

ID: P3A5F54AFB6CEN

Abstracts

The global PET Scanners market size is poised to register 5.15% growth from 2024 to 2030, presenting significant growth prospects for companies operating in the industry. The industry study analyzes the global PET Scanners market across By Type (PET-CT, PET-MRI), By Application (Oncology, Cardiology, Neurology, Others), By End-user (Hospitals, Diagnostic Imaging Centers, Academic & Research Institutes).

The PET Scanners market is witnessing significant growth driven by the increasing prevalence of cancer and neurological disorders, rising demand for early disease detection and accurate diagnosis, and growing adoption of positron emission tomography (PET) imaging technology for oncology, neurology, cardiology, and other medical applications, offering high-resolution, three-dimensional images of metabolic activity and physiological processes in the body for improved disease staging, treatment planning, and patient management. PET scanners are advanced medical imaging devices that utilize radioactive tracers or radiotracers injected into the body to produce detailed images of molecular and cellular activities, such as glucose metabolism, oxygen consumption, neurotransmitter function, and tumor proliferation, allowing clinicians to visualize and quantify disease processes, identify abnormal tissues, monitor treatment response, and assess disease progression with high sensitivity, specificity, and spatial resolution. Key factors driving market expansion include the increasing incidence of cancer and neurological disorders worldwide, with cancer being

one of the leading causes of morbidity and mortality globally, and the growing demand for non-invasive, functional imaging modalities, such as PET/CT, PET/MRI, and PET/CT/MRI hybrid systems, for accurate disease localization, staging, and treatment monitoring, enabling clinicians to tailor personalized treatment strategies, optimize patient outcomes, and improve survival rates in cancer and neurology patients. Additionally, advancements in PET scanner technology, such as time-of-flight (TOF) PET, digital PET detectors, solid-state detectors, and advanced image reconstruction algorithms, are enhancing image quality, sensitivity, and signal-to-noise ratio, as well as reducing scan times, radiation dose exposure, and patient discomfort, driving the adoption of PET imaging as a valuable diagnostic tool in clinical practice and research settings. Moreover, the expanding applications of PET imaging in preclinical research, drug development, and therapeutic interventions, as well as the increasing investments in healthcare infrastructure, oncology centers, and imaging facilities, are driving market growth and expansion opportunities for PET scanner manufacturers, service providers, and healthcare institutions worldwide. Furthermore, the continuous innovation, collaboration, and integration of PET imaging with other imaging modalities, such as MRI, CT, ultrasound, and molecular imaging probes, are driving synergies, workflow efficiencies, and diagnostic capabilities in multimodal imaging approaches for comprehensive disease evaluation, precision medicine, and personalized patient care. With the continuous focus on technological advancements, clinical utility, and value-based care, the PET Scanners market is poised for further expansion in the coming years.

PET Scanners 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 PET Scanners market research analyses the global market trends, key drivers, challenges, and opportunities in the industry. In addition, the latest Future of PET Scanners 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 PET Scanners industry.

Key market trends defining the global PET Scanners 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.

PET Scanners Market Segmentation- Industry Share, Market Size, and Outlook to 2030

The PET Scanners 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 PET Scanners companies scaling up production in these sub-segments with a focus on expanding into emerging countries.

Key strategies adopted by companies within the PET Scanners industry

Leading PET Scanners 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 PET Scanners companies.

PET Scanners Market Study- Strategic Analysis Review

The PET Scanners 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.

PET Scanners Market Size Outlook- Historic and Forecast Revenue in Three Cases

The PET Scanners 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 2030 in three case scenarios- low case, reference case, and high case scenarios.

PET Scanners Country Analysis and Revenue Outlook to 2030

The report analyses 22 countries worldwide including the key driving forces and market size outlook from 2021 to 2030. 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 2030.

North America PET Scanners 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 end-user industry demand. Leading companies focus on new product launches in the changing environment. The US economy is expected to grow in 2024 (around 2.2% growth in 2024), potentially driving demand for various PET Scanners market segments. Similarly, Strong end-user demand is encouraging Canadian PET Scanners companies to invest in niche segments. Further, as Mexico continues to strengthen its trade relations and invest in technological advancements, the Mexico PET Scanners market is expected to experience significant expansion, offering lucrative opportunities for both domestic and international stakeholders.

Europe PET Scanners Market Size Outlook-Companies investing in assessing consumers, categories, competitors, and capabilities

The German industry remains the major market for companies in the European PET Scanners 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 businesses in identifying and leveraging new growth prospects positions the European PET Scanners 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 PET Scanners 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 PET Scanners in Asia Pacific. In particular, China, India, and South East Asian PET Scanners markets present a compelling outlook for 2030, acting as a magnet for both domestic and multinational manufacturers 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 markets in the region.

Latin America PET Scanners 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 PET Scanners 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 PET Scanners market potential. Fueled by increasing healthcare expenditure of individuals, growing population, and high prevalence across a few markets drives the demand for PET Scanners.

PET Scanners Market Company Profiles

The global PET Scanners 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 Canon Medical Systems, GE

Healthcare, Koninklijke Phillips N.V., Mediso Ltd, MinFound Medical Systems Co. Ltd, Neusoft Medical Systems Co. Ltd, Perkin Elmer Inc, Positron Corp, Shimadzu Corp, Siemens Healthineers, Yangzhou Kindsway Biotech Co. Ltd

Recent PET Scanners Market Developments

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

PET Scanners Market Report Scope

Parameters: Revenue, Volume Price

Study Period: 2023 (Base Year); 2018- 2023 (Historic Period); 2024- 2030 (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 Type

PET-CT

PET-MRI

By Application

Oncology

Cardiology

Neurology

Others

By End-user

Hospitals

Diagnostic Imaging Centers

Academic & Research Institutes

Geographical Segmentation:

North America (3 markets)

Europe (6 markets)

Asia Pacific (6 markets)

Latin America (3 markets)

Middle East Africa (5 markets)

Companies

Canon Medical Systems

GE Healthcare

Koninklijke Phillips N.V.

Mediso Ltd

MinFound Medical Systems Co. Ltd

Neusoft Medical Systems Co. Ltd

Perkin Elmer Inc

Positron Corp

Shimadzu Corp

Siemens Healthineers

Yangzhou Kindsway Biotech Co. Ltd

Formats Available: Excel, PDF, and PPT

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Cardiology

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GE Healthcare

Koninklijke Phillips N.V.

Mediso Ltd

MinFound Medical Systems Co. Ltd

Neusoft Medical Systems Co. Ltd

Perkin Elmer Inc

Positron Corp

Shimadzu Corp

Siemens Healthineers

Yangzhou Kindsway Biotech Co. Ltd

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