

Single Photon Emission Computed Tomography Market Size, Trends, Analysis, and Outlook By Type of Radioisotopes (Tc-99m, Ra-223, Ga-67, I-123, Others), By Application (Oncology, Cardiology, Neurology, Others), by Region, Country, Segment, and Companies, 2024-2030

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Abstracts

The global Single Photon Emission Computed Tomography market size is poised to register 6.53% growth (CAGR) from 2024 to 2030, presenting significant growth prospects for companies operating in the industry. The industry study analyzes the global Single Photon Emission Computed Tomography market By Type of Radioisotopes (Tc-99m, Ra-223, Ga-67, I-123, Others), By Application (Oncology, Cardiology, Neurology, Others).

The future of single photon emission computed tomography (SPECT) imaging is characterized by key trends aimed at enhancing diagnostic accuracy, improving image quality, and expanding clinical applications across various medical specialties. One significant trend is the integration of advanced hardware and software technologies, including multi-detector systems, collimator designs, and iterative reconstruction algorithms, that enable high-resolution, quantitative SPECT imaging with enhanced spatial resolution, contrast-to-noise ratio, and sensitivity, facilitating accurate localization and characterization of pathological processes in diverse anatomical regions. Additionally, there is growing interest in the development of novel radiotracers, radiopharmaceutical agents, and targeted imaging probes for SPECT imaging, including molecularly targeted agents, theranostic probes, and multimodal imaging agents, that allow for non-invasive assessment of specific biological pathways, disease biomarkers, and therapeutic targets, enabling early detection, staging, and monitoring of various

diseases, such as cancer, cardiovascular disorders, and neurological conditions. Furthermore, there is increasing emphasis on hybrid imaging modalities, such as SPECT/CT and SPECT/MRI fusion imaging, that combine functional SPECT data with anatomical imaging modalities, providing complementary information on tissue structure, function, and metabolism, and improving diagnostic accuracy, treatment planning, and patient management in complex clinical scenarios. Moreover, advancements in artificial intelligence, machine learning, and quantitative image analysis hold promise for future applications of SPECT imaging in radiomics, image-based biomarker discovery, and predictive modeling of treatment response, facilitating personalized medicine approaches and precision healthcare interventions tailored to individual patient needs. Overall, the future of SPECT imaging holds promise for continued innovation in technology, radiopharmaceutical development, and clinical research, driving improvements in diagnostic imaging capabilities, disease detection, and patient care outcomes..

Single Photon Emission Computed 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 Single Photon Emission Computed Tomography market research analyses the global market trends, key drivers, challenges, and opportunities in the industry. In addition, the latest Future of Single Photon Emission Computed 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 Single Photon Emission Computed Tomography industry.

Key market trends defining the global Single Photon Emission Computed 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.

Single Photon Emission Computed Tomography Market Segmentation- Industry Share, Market Size, and Outlook to 2030

The Single Photon Emission Computed 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 Single Photon Emission Computed Tomography companies scaling up production in these sub-segments with a focus on expanding into emerging countries.

Key strategies adopted by companies within the Single Photon Emission Computed Tomography industry

Leading Single Photon Emission Computed 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 Single Photon Emission Computed Tomography companies.

Single Photon Emission Computed Tomography Market Study- Strategic Analysis Review

The Single Photon Emission Computed 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.

Single Photon Emission Computed Tomography Market Size Outlook- Historic and Forecast Revenue in Three Cases

The Single Photon Emission Computed 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 2030 in three case scenarios- low case, reference case, and high case scenarios.

Single Photon Emission Computed Tomography 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 Single Photon Emission Computed 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 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 Single Photon Emission Computed Tomography market segments. Similarly, Strong end-user demand is encouraging Canadian Single Photon Emission Computed Tomography companies to invest in niche segments. Further, as Mexico continues to strengthen its trade relations and invest in technological advancements, the Mexico Single Photon Emission Computed Tomography market is expected to experience significant expansion, offering lucrative opportunities for both domestic and international stakeholders.

Europe Single Photon Emission Computed 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 Single Photon Emission Computed 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 businesses in identifying and leveraging new growth prospects positions the

European Single Photon Emission Computed 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 Single Photon Emission Computed 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 Single Photon Emission Computed Tomography in Asia Pacific. In particular, China, India, and South East Asian Single Photon Emission Computed Tomography 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 Single Photon Emission Computed 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 Single Photon Emission Computed 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 Single Photon Emission Computed Tomography market potential. Fueled by increasing healthcare expenditure of individuals, growing population, and high prevalence across a few markets drives the demand for Single Photon Emission Computed Tomography.

Single Photon Emission Computed Tomography Market Company Profiles

The global Single Photon Emission Computed 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 Bracco Imaging, Cardinal Health Inc, Curium, Digirad Corp, Gamma Medica Inc, GE Healthcare, Global Medical Solutions, Guerbet, Lantheus Medical Imaging Inc, Neusoft Corp, NTP Radioisotopes SOC Ltd, Spectrum Dynamics Medical.

Recent Single Photon Emission Computed Tomography Market Developments

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

Single Photon Emission Computed Tomography 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

Stationary 3D and 4D Ultrasound Devices

Portable 3D and 4D Ultrasound Devices

By Display

Color Ultrasound

B/W Ultrasound

By Portability

Trolley or Cart-Based Ultrasound Systems

Compact/Handheld Ultrasound Systems

Point-of-Pare (PoC) Ultrasound Systems

By Application

Radiology or General Imaging

Obstetrics or Gynecology

Cardiology

Urology

Vascular

Orthopedic and Musculoskeletal

Pain Management

Others

By End-User

Hospitals

Surgical Centers and Diagnostic Centers

Maternity Centers

Ambulatory Care Centers

Research and Academia

Others

Geographical Segmentation:

North America (3 markets)

Europe (6 markets)

Asia Pacific (6 markets)

Latin America (3 markets)

Middle East Africa (5 markets)

Companies

Bracco Imaging

Cardinal Health Inc

Curium

Digirad Corp

Gamma Medica Inc

GE Healthcare

Global Medical Solutions

Guerbet

Lantheus Medical Imaging Inc

Neusoft Corp

NTP Radioisotopes SOC Ltd

Spectrum Dynamics Medical

Formats Available: Excel, PDF, and PPT

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By Display

Color Ultrasound

B/W Ultrasound

By Portability

Trolley or Cart-Based Ultrasound Systems

Compact/Handheld Ultrasound Systems

Point-of-Pare (PoC) Ultrasound Systems

By Application

Radiology or General Imaging

Obstetrics or Gynecology

Cardiology

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- Guerbet
- Lantheus Medical Imaging Inc
- Neusoft Corp

NTP Radioisotopes SOC Ltd
Spectrum Dynamics Medical

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