+357 96 030922
info@marketpublishers.com

SPECT Scanning Services Market Forecasts to 2032 – Global Analysis By Product Type (SPECT Scanning Devices and SPECT Scanning Services), Radioisotope Type (Technetium-99m (Tc-99m), Gallium-67 (Ga-67), Iodine-123 (I-123), Thallium-201 (Th-201), Radium-223 (Ra-223) and Other Radioisotope Types), Application, End User and By Geography

https://marketpublishers.com/r/S107C7BDAF0BEN.html
Date: September 2025
Pages: 200
Price: US$ 4,150.00 (Single User License)
ID: S107C7BDAF0BEN

Abstracts

According to Stratistics MRC, the Global SPECT Scanning Services Market is accounted for $2.75 billion in 2025 and is expected to reach $5.47 billion by 2032 growing at a CAGR of 10.3% during the forecast period. SPECT scanning services utilize Single Photon Emission Computed Tomography to produce detailed 3D images of internal organs and tissues by detecting gamma rays emitted from radiotracers. These services support diagnostic evaluation of neurological, cardiac, and oncological conditions by assessing blood flow, metabolic activity, and receptor binding. Procedures are non-invasive and typically conducted in specialized imaging centers. Accurate interpretation by nuclear medicine professionals enables early disease detection, treatment planning, and monitoring of therapeutic response, enhancing clinical decision-making and patient care outcomes.

According to EJNMMI Physics, SPECT imaging has become a cornerstone in theranostic applications, with over 70% of nuclear medicine department's worldwide integrating SPECT or SPECT/CT systems for routine diagnostic and therapeutic planning in cardiology, neurology, and oncology.

Market Dynamics:

+357 96 030922
info@marketpublishers.com

Driver:

Increased rates of cardiovascular, oncological, neurological, and metabolic disorders

As these chronic diseases become more prevalent across demographics, healthcare providers increasingly rely on advanced diagnostic imaging to enable early detection and accurate monitoring. Additionally, improvements in the efficiency and precision of SPECT technology are encouraging wider clinical adoption, supporting better patient outcomes. The growing emphasis on personalized medicine further drives the use of SPECT scans to tailor treatments based on individual patient profiles.

Restraint:

Competitive pressure from PET and other modalities

PET, in particular, offers superior spatial resolution and quantitative capabilities, making it the preferred choice in oncology and neurology. Additionally, hybrid imaging systems like PET/CT and PET/MRI are gaining traction due to their ability to combine anatomical and functional data. This competitive landscape is challenging SPECT service providers to innovate and improve image quality, workflow efficiency, and tracer specificity to maintain relevance in a rapidly evolving diagnostic ecosystem.

Opportunity:

Integration with artificial intelligence (AI) and machine learning

The integration of AI and machine learning into SPECT imaging workflows presents a transformative opportunity for market growth. These technologies are being leveraged to enhance image reconstruction, automate anomaly detection, and optimize scan protocols, thereby improving diagnostic accuracy and operational efficiency. AI-driven analytics can also assist in predictive modeling and personalized treatment planning, making SPECT more valuable in precision medicine.

Threat:

Reliance on highly trained nuclear medicine and radiology professionals

Accurate interpretation of SPECT scans requires extensive training in nuclear medicine and radiology, limiting the scalability of services in regions with workforce shortages.

+357 96 030922
info@marketpublishers.com

Additionally, the complexity of radiopharmaceutical handling and regulatory compliance demands rigorous oversight, which can strain operational resources. Without sufficient investment in education and training, the shortage of qualified professionals may hinder service expansion and delay adoption in underserved areas.

Covid-19 Impact:

The COVID-19 pandemic had a multifaceted impact on the SPECT scanning services market. Initially, elective imaging procedures were postponed, and patient volumes declined due to lockdowns and infection control measures. However, the crisis also highlighted the importance of diagnostic imaging in managing cardiovascular and pulmonary complications associated with the virus. As healthcare systems adapted to the pandemic, SPECT services were re-prioritized for critical care and post-COVID evaluations.

The SPECT scanning devices segment is expected to be the largest during the forecast period

The SPECT scanning devices segment is expected to account for the largest market share during the forecast period due to their widespread clinical adoption and technological advancements. These systems are increasingly being equipped with multi-detector configurations and digital processing capabilities, enhancing image resolution and throughput. Their versatility in diagnosing a range of conditions from cardiac ischemia to neurodegenerative disorders makes them a cornerstone of functional imaging.

The coronary artery disease diagnosis segment is expected to have the highest CAGR during the forecast period

Over the forecast period, the coronary artery disease diagnosis segment is predicted to witness the highest growth rate driven by the escalating burden of cardiovascular conditions worldwide. SPECT myocardial perfusion imaging is a well-established technique for assessing blood flow and detecting ischemic regions, offering critical insights into cardiac function. Innovations in radiotracers and imaging protocols are improving diagnostic precision and patient safety. As preventive cardiology gains momentum, SPECT is playing a vital role in risk stratification and monitoring therapeutic efficacy, especially in high-risk populations.

Region with largest share:

+357 96 030922
info@marketpublishers.com

During the forecast period, the North America region is expected to hold the largest market share attributed to its advanced healthcare infrastructure and high adoption of nuclear imaging technologies. The region benefits from a robust reimbursement framework, strong presence of leading imaging equipment manufacturers, and widespread availability of trained professionals. Additionally, ongoing research initiatives and clinical trials are fostering innovation in radiopharmaceuticals and imaging protocols.

Region with highest CAGR:

Over the forecast period, the North America region is anticipated to exhibit the highest CAGR owing to rapid growth is driven by expanding healthcare infrastructure, increasing awareness of advanced diagnostic imaging, and rising prevalence of chronic diseases such as cardiovascular and neurological disorders in emerging economies like China and India. Additionally, government initiatives aimed at improving healthcare access, coupled with growing investments in medical technology and rising disposable incomes, are fueling the adoption of SPECT scanning services.

Key players in the market

Some of the key players in SPECT Scanning Services Market include GE Healthcare, Siemens Healthineers, Philips Healthcare, Bracco Imaging, Curium Pharma, Cardinal Health Inc., Lantheus Medical Imaging, Digirad Corporation, Spectrum Dynamics Medical, Gamma Medica Inc., Guerbet, Neusoft Medical Systems, Toshiba International Corporation, Mediso Ltd. and Positron Corporation.

Key Developments:

In August 2025, Cardinal Health acquired Solaris Health, a leading urology MSO. The move supports specialty care expansion and aligns with strong Q4 earnings of $60.2B revenue.

In January 2025, Philips showcased AI-driven diagnostic and monitoring systems at Arab Health 2025. Highlights included the BlueSeal helium-free MRI and Spectral CT 7500 for advanced imaging.

In January 2025, Siemens Healthineers unveiled photon-counting CT and helium-free MRI at Arab Health 2025. The NAEOTOM Alpha and MAGNETOM Flow platforms aim

+357 96 030922
info@marketpublishers.com

to redefine precision imaging and sustainability.

Product Types Covered:

- SPECT Scanning Devices
- SPECT Scanning Services

Radioisotope Types Covered:

- Technetium-99m (Tc-99m)
- Gallium-67 (Ga-67)
- Iodine-123 (I-123)
- Thallium-201 (Th-201)
- Radium-223 (Ra-223)
- Other Radioisotope Types

Applications Covered:

- Myocardial Perfusion Imaging
- Coronary Artery Disease Diagnosis
- Tumor Detection & Monitoring
- Cancer Staging
- Brain Disorders
- Epilepsy Diagnosis
- Other Applications

+357 96 030922
info@marketpublishers.com

End Users Covered:

- Diagnostic Imaging Centers
- Hospitals
- Ambulatory Surgical Centers (ASCs)
- Research & Academic Institutes
- Other End Users

Regions Covered:

- North America
  - US
  - Canada
  - Mexico
- Europe
  - Germany
  - UK
  - Italy
  - France
  - Spain
  - Rest of Europe

+357 96 030922
info@marketpublishers.com

- Asia Pacific
  - Japan
  - China
  - India
  - Australia
  - New Zealand
  - South Korea
  - Rest of Asia Pacific
- South America
  - Argentina
  - Brazil
  - Chile
  - Rest of South America
- Middle East & Africa
  - Saudi Arabia
  - UAE
  - Qatar
  - South Africa
  - Rest of Middle East & Africa

+357 96 030922
info@marketpublishers.com

What our report offers:
- Market share assessments for the regional and country-level segments
- Strategic recommendations for the new entrants
- Covers Market data for the years 2024, 2025, 2026, 2028, and 2032
- Market Trends (Drivers, Constraints, Opportunities, Threats, Challenges, Investment Opportunities, and recommendations)
- Strategic recommendations in key business segments based on the market estimations
- Competitive landscaping mapping the key common trends
- Company profiling with detailed strategies, financials, and recent developments
- Supply chain trends mapping the latest technological advancements

Free Customization Offerings:

All the customers of this report will be entitled to receive one of the following free customization options:

Company Profiling

Comprehensive profiling of additional market players (up to 3)

SWOT Analysis of key players (up to 3)

Regional Segmentation

Market estimations, Forecasts and CAGR of any prominent country as per the client's interest (Note: Depends on feasibility check)

Competitive Benchmarking

Benchmarking of key players based on product portfolio, geographical presence, and strategic alliances

+357 96 030922
info@marketpublishers.com

Contents

+357 96 030922
info@marketpublishers.com

5 GLOBAL SPECT SCANNING SERVICES MARKET, BY PRODUCT TYPE

6 GLOBAL SPECT SCANNING SERVICES MARKET, BY RADIOISOTOPE TYPE

7 GLOBAL SPECT SCANNING SERVICES MARKET, BY APPLICATION

8 GLOBAL SPECT SCANNING SERVICES MARKET, BY END USER

+357 96 030922
info@marketpublishers.com

9 GLOBAL SPECT SCANNING SERVICES MARKET, BY GEOGRAPHY

10 KEY DEVELOPMENTS

+357 96 030922
info@marketpublishers.com

11 COMPANY PROFILING

+357 96 030922
info@marketpublishers.com

List Of Tables

LIST OF TABLES

+357 96 030922
info@marketpublishers.com

Note: Tables for North America, Europe, APAC, South America, and Middle East & Africa Regions are also represented in the same manner as above.

+357 96 030922
info@marketpublishers.com

I would like to order

Product name: SPECT Scanning Services Market Forecasts to 2032 – Global Analysis By Product Type (SPECT Scanning Devices and SPECT Scanning Services), Radioisotope Type (Technetium-99m (Tc-99m), Gallium-67 (Ga-67), Iodine-123 (I-123), Thallium-201 (Th-201), Radium-223 (Ra-223) and Other Radioisotope Types), Application, End User and By Geography

Product link: https://marketpublishers.com/r/S107C7BDAF0BEN.html

Price: US$ 4,150.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:
info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page https://marketpublishers.com/r/S107C7BDAF0BEN.html