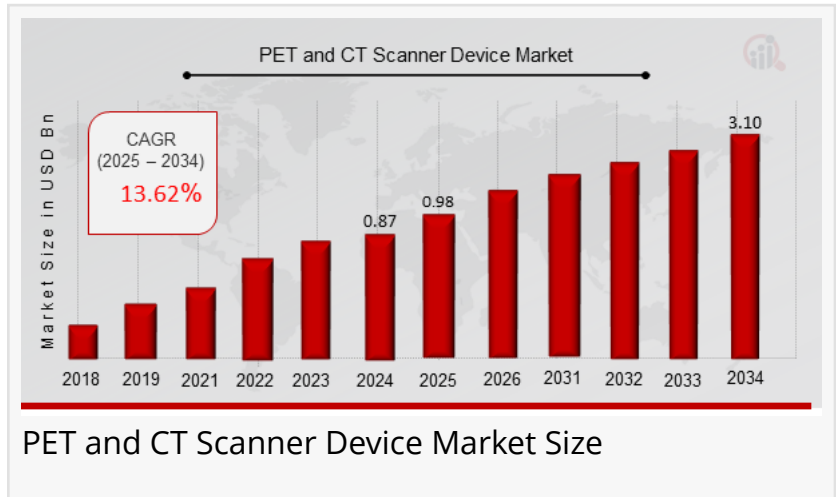


PET and CT Scanner Device Market Projected to Reach 3.10 (USD Billion), with a Robust 13.62% CAGR Till 2034

The burgeoning industry size of the PET and CT scanner device market is a direct reflection of the escalating need for precise, non-invasive diagnostic tools.

US, NY, UNITED STATES, August 8, 2025 /EINPresswire.com/ -- The global [PET and CT Scanner Device Market Size](#) was estimated at 0.87 (USD Billion) in 2024. The PET and CT Scanner Device Market Industry is expected to grow from 0.98 (USD Billion) in 2025 to 3.10 (USD Billion) till 2034, at a CAGR (growth rate) is expected to be around 13.62% during the forecast period (2025 - 2034)



Industry Size and Market Scope: A Landscape of Opportunity

The burgeoning industry size of the PET and CT scanner device market is a direct reflection of the escalating need for precise, non-invasive diagnostic tools. These sophisticated imaging systems are becoming indispensable for the early and accurate detection of diseases, especially in companion animals. The market's scope extends across a wide array of applications, from oncology and cardiology to neurology and orthopedics, offering comprehensive diagnostic capabilities that were once primarily reserved for human medicine. This expansion is fueled by a growing global pet population, rising disposable incomes among pet owners, and continuous advancements in veterinary medicine, all contributing to a heightened focus on animal welfare and health.

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Key Drivers Propelling Market Growth

Several pivotal factors are acting as catalysts for the market's impressive trajectory. The

increasing demand for early disease diagnosis in pets stands out as a primary driver. Pet owners are increasingly willing to invest in advanced medical care for their animals, mirroring trends in human healthcare. Furthermore, significant technological advancements in PET and CT scanner devices are continually enhancing their capabilities. These innovations include improved image quality, faster scanning times, and crucial reductions in radiation exposure, making these procedures safer and more efficient. The growing number of veterinary clinics and hospitals worldwide, equipped with state-of-the-art facilities, also plays a crucial role in expanding the adoption and accessibility of these devices.

Market Segmentation: Unpacking Growth Vectors

The PET and CT Scanner Device Market is meticulously segmented, revealing distinct areas of growth and opportunity:

Modality: This segment is divided into Single Modality and Dual Modality scanners. Dual modality scanners, which combine the strengths of both PET and CT imaging, are anticipated to exhibit higher growth. This is due to their ability to provide both anatomical and metabolic information in a single scan, offering a more comprehensive diagnostic picture.

Application: Oncology currently holds the largest market share within this segment, reflecting the critical role of PET and CT in cancer diagnosis, staging, and treatment monitoring. Other significant applications include cardiology, neurology, and a diverse category encompassing orthopedics and dentistry. The continued prevalence of cancer in pets ensures oncology's sustained dominance, while advancements in other areas promise robust segment growth.

Pet Tracer: The market is further segmented by the type of radiopharmaceutical used, including FDG (Fluorodeoxyglucose), Fluoride-18, Carbon-11, Nitrogen-13, and other pet tracers. FDG is expected to dominate this segment, given its widespread use and effectiveness in detecting metabolic activity associated with various diseases, particularly cancers.

Key Companies :

Fujifilm Healthcare
Toshiba Medical Systems
Neusoft Medical Systems
Esaote
Philips Healthcare
Canon Medical Systems
GE Healthcare
Siemens Healthineers
BioMedical Imaging
Samsung Electronics
United Imaging Healthcare

Mindray Medical
Hitachi Medical Systems
Shimadzu Corporation

Emerging Trends and Opportunities: Shaping the Future

The market is characterized by dynamic emerging trends that are set to redefine its landscape. The continuous evolution of advanced imaging technologies remains a cornerstone, with ongoing research focused on improving resolution, speed, and diagnostic accuracy. A notable trend is the adoption of low-dose CT scanners, specifically designed to minimize radiation exposure while maintaining high image quality, addressing safety concerns for both animals and operators.

Significant opportunities are also surfacing, particularly with the development of portable and mobile CT scanners. These innovations hold immense potential for expanding diagnostic capabilities into remote areas or for on-site use, increasing accessibility and convenience. Furthermore, the integration of artificial intelligence (AI) is poised to revolutionize image analysis and diagnosis. AI algorithms can enhance image reconstruction, reduce scanning time, and improve the accuracy of disease detection, leading to more efficient workflows and better patient outcomes.

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Regional Dynamics and Competitive Landscape

Geographically, North America is anticipated to maintain a dominant market share, primarily due to its large pet population, advanced healthcare infrastructure, and a high adoption rate of sophisticated veterinary technologies. Europe also represents a major market, driven by similar factors and a strong emphasis on animal health. The Asia-Pacific region is projected to witness substantial growth, fueled by increasing pet ownership, improving veterinary care standards, and rising disposable incomes.

The top companies in this competitive landscape are actively engaged in innovation, strategic partnerships, and expanding their product portfolios to capture a larger share of the market. Key players include GE Healthcare, Siemens Healthineers, Fujifilm Healthcare, Toshiba Medical Systems, Philips Healthcare, and Canon Medical Systems, among others. These industry leaders are focused on developing cutting-edge solutions that address the evolving needs of the veterinary imaging market.

Future Outlook and Recent Developments

The future outlook for the PET and CT Scanner Device Market is exceedingly positive, marked by

sustained innovation and expanding applications. The increasing emphasis on preventive care and early diagnosis in veterinary medicine will continue to drive demand for these advanced imaging systems. Recent developments highlight a concerted effort by manufacturers to introduce more compact, user-friendly, and cost-effective solutions, making these technologies more accessible to a wider range of veterinary practices. The convergence of technological advancements, growing awareness, and a robust investment climate positions this market for continued, impressive growth in the coming decade.

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