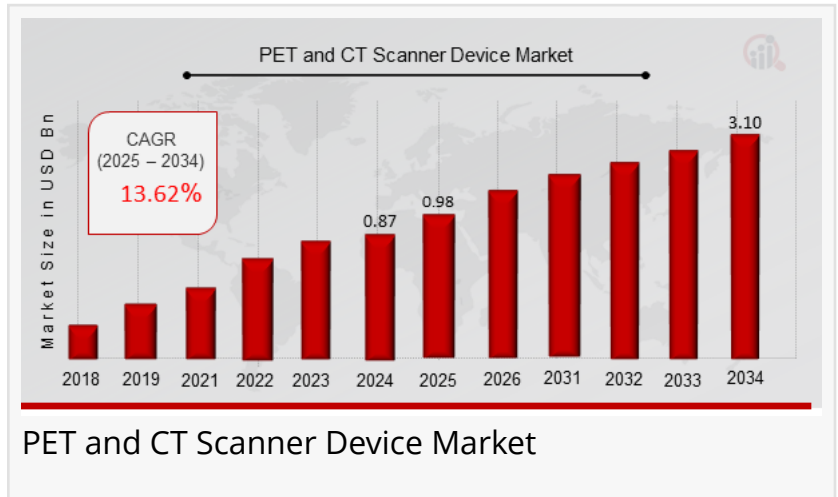


# PET-CT Scanner Device Market Forecasted to Reach USD 3.10 Billion By 2034, at an Impressive 13.62% CAGR

*The rising geriatric population and the need for non-invasive diagnostic techniques are further fueling market demand.*

US, NY, UNITED STATES, March 13, 2025 /EINPresswire.com/ -- PET-CT Scanner Device Market Overview

The PET-CT scanner device market is experiencing significant growth due to the increasing prevalence of cancer, cardiovascular diseases, and neurological disorders. PET-CT scanners combine positron emission tomography (PET) and computed tomography (CT) to provide detailed imaging for accurate disease diagnosis and treatment planning. The rising demand for early disease detection and advancements in imaging technology are driving market expansion.



As per MRFR analysis, the [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).

## Market Growth

The global PET-CT scanner device market is expected to witness robust growth, driven by increasing investments in healthcare infrastructure, government initiatives promoting advanced diagnostic tools, and the growing adoption of hybrid imaging systems. The rising geriatric population and the need for non-invasive diagnostic techniques are further fueling market demand. Technological advancements, such as AI integration and digital PET scanners, are enhancing imaging precision, contributing to market expansion.

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Key Companies in the PET and CT Scanner Device Market Include

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

Market Dynamics

Drivers:

Increasing prevalence of chronic diseases like cancer and neurological disorders.

Growing demand for early and accurate diagnosis.

Technological advancements in imaging systems.

Government and private sector investments in healthcare infrastructure.

Challenges:

High cost of PET-CT scanners and their maintenance.

Limited availability in developing regions.

Radiation exposure concerns.

Opportunities:

Emerging markets in Asia-Pacific and Latin America.

Integration of AI and machine learning in diagnostic imaging.

Development of portable PET-CT scanners.

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PET and CT Scanner Device Market Segmentation Insights

The PET and CT scanner device market is segmented based on modality, application, PET tracer

type, and region. In terms of modality, the market includes single and dual modality scanners, with dual modality witnessing higher demand due to improved diagnostic accuracy. Applications span across oncology, cardiology, neurology, and other areas, with oncology leading due to the rising prevalence of cancer. The market is also categorized by PET tracers, including FDG, Fluoride-18, Carbon-11, Nitrogen-13, and other tracers, each playing a crucial role in imaging various diseases

## Industry Developments

Key players are investing in research & development to introduce next-generation PET-CT scanners with higher resolution and reduced scan times.

Partnerships between healthcare institutions and imaging companies are driving the adoption of advanced imaging solutions.

Regulatory approvals for innovative PET-CT systems are expanding product availability globally.

## Regional Analysis

North America dominates the market due to the high adoption of advanced imaging technologies and a well-established healthcare system.

Europe follows closely, driven by government initiatives supporting early disease diagnosis.

Asia-Pacific is expected to witness the fastest growth due to increasing healthcare investments, rising cancer cases, and improving access to advanced diagnostic tools.

Latin America and the Middle East & Africa are gradually adopting PET-CT technology, supported by expanding healthcare facilities.

## Reasons to Buy the Report

Comprehensive market insights, including growth trends and future opportunities.

Analysis of key players and their strategies in the PET-CT scanner market.

Regional market performance and potential investment opportunities.

Technological advancements and their impact on the industry.

Regulatory landscape and its influence on market expansion.

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