

# Global Radiochemistry PET Cyclotron Supply, Demand and Key Producers, 2023-2029

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## Abstracts

The global Radiochemistry PET Cyclotron market size is expected to reach \$ million by 2029, rising at a market growth of % CAGR during the forecast period (2023-2029).

The radiopharmaceuticals market had been experiencing steady growth and significant interest due to the increasing use of nuclear medicine procedures for diagnostic and therapeutic purposes. Radiopharmaceuticals are essential tools in nuclear medicine, and they play a crucial role in diagnosing various diseases, such as cancer, cardiovascular conditions, and neurological disorders.

The radiopharmaceuticals market had been growing steadily over the years. Factors contributing to this growth include advancements in radiopharmaceutical development, rising prevalence of cancer and cardiovascular diseases, and an aging population that drives the demand for diagnostic procedures.

A Radiochemistry PET Cyclotron is a specialized type of particle accelerator used in the production of positron-emitting radionuclides for use in positron emission tomography (PET) imaging. PET is a nuclear medicine imaging technique that provides detailed information about the functioning of organs and tissues in the body.

PET cyclotrons are essential in the production of short-lived positron-emitting radionuclides, such as fluorine-18 (F-18), carbon-11 (C-11), and nitrogen-13 (N-13), which have relatively short half-lives. The short half-lives mean that these radionuclides decay rapidly, making it essential to produce them on-site at medical facilities where PET imaging is performed.

The use of on-site cyclotrons for PET radionuclide production allows for a continuous

supply of radiopharmaceuticals, which is crucial for conducting PET imaging studies in real-time and ensuring that patients receive fresh radiotracers for accurate and high-quality PET scans.

This report studies the global Radiochemistry PET Cyclotron production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Radiochemistry PET Cyclotron, and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2022 as the base year. This report explores demand trends and competition, as well as details the characteristics of Radiochemistry PET Cyclotron that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Radiochemistry PET Cyclotron total production and demand, 2018-2029, (Units)

Global Radiochemistry PET Cyclotron total production value, 2018-2029, (USD Million)

Global Radiochemistry PET Cyclotron production by region & country, production, value, CAGR, 2018-2029, (USD Million) & (Units)

Global Radiochemistry PET Cyclotron consumption by region & country, CAGR, 2018-2029 & (Units)

U.S. VS China: Radiochemistry PET Cyclotron domestic production, consumption, key domestic manufacturers and share

Global Radiochemistry PET Cyclotron production by manufacturer, production, price, value and market share 2018-2023, (USD Million) & (Units)

Global Radiochemistry PET Cyclotron production by Type, production, value, CAGR, 2018-2029, (USD Million) & (Units)

Global Radiochemistry PET Cyclotron production by Application production, value, CAGR, 2018-2029, (USD Million) & (Units).

This reports profiles key players in the global Radiochemistry PET Cyclotron market based on the following parameters – company overview, production, value, price, gross

margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include IBA Radiopharma Solutions, Siemens Healthineers, GE Healthcare, Advanced Cyclotron Systems (ACSI), Sumitomo Heavy Industries, Best Cyclotron Systems, Ionetix Corporation and isoSolution, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals, COVID-19 and Russia-Ukraine War Influence.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Radiochemistry PET Cyclotron market.

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (Units) and average price (K US\$/Unit) by manufacturer, by Type, and by Application. Data is given for the years 2018-2029 by year with 2022 as the base year, 2023 as the estimate year, and 2024-2029 as the forecast year.

Global Radiochemistry PET Cyclotron Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Radiochemistry PET Cyclotron Market, Segmentation by Type

Low-Energy Cyclotrons

Medium-Energy Cyclotrons

High-Energy Cyclotrons

## Global Radiochemistry PET Cyclotron Market, Segmentation by Application

Pharmaceutical Industry

Hospital

Research & Academics

## Companies Profiled:

IBA Radiopharma Solutions

Siemens Healthineers

GE Healthcare

Advanced Cyclotron Systems (ACSI)

Sumitomo Heavy Industries

Best Cyclotron Systems

Ionetix Corporation

isoSolution

## Key Questions Answered

1. How big is the global Radiochemistry PET Cyclotron market?

2. What is the demand of the global Radiochemistry PET Cyclotron market?
3. What is the year over year growth of the global Radiochemistry PET Cyclotron market?
4. What is the production and production value of the global Radiochemistry PET Cyclotron market?
5. Who are the key producers in the global Radiochemistry PET Cyclotron market?
6. What are the growth factors driving the market demand?

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