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Global Strontium-90 Sealed Radioactive Source Supply, Demand and Key Producers, 2026-2032

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Abstracts

The global Strontium-90 Sealed Radioactive Source market size is expected to reach $ 17.20 million by 2032, rising at a market growth of 4.8% CAGR during the forecast period (2026-2032).

Strontium-90 sealed radioactive sources are radioactive sources made by encapsulating the radioactive isotope strontium-90 (Sr-90) and its daughter product yttrium-90 (Y-90) in a corrosion-resistant, high-temperature-resistant, and impact-resistant metal sealed container using a special process. Sr-90 is a pure beta-ray emitter with a half-life of approximately 28.8 years, characterized by stable activity, long service life, and no need for external power supply. Strontium-90 sealed radioactive sources are widely used in industry, medicine, and other fields, and are one of the important radioactive isotope products in industry and scientific research. The Sr-90 sealed radioactive source industry chain exhibits typical characteristics of the nuclear industry, and can be divided into three segments: upstream nuclear raw material supply, midstream radioactive source manufacturing, and downstream end-use applications. The upstream segment primarily involves the separation and purification of Sr-90, a fission product generated during the reprocessing of spent nuclear reactor fuel. Globally, institutions with commercial Sr-90 extraction capabilities are mainly concentrated in a few nuclear powerhouses such as Russia, China, and the United States, resulting in a clear oligopoly in raw material supply. The midstream segment includes processes such as Sr-90 chemical purification, activity detection, source core manufacturing, encapsulation and welding, leak testing, quality certification, and transportation permit management. Sealing technology and radiation safety control are the core technological barriers. Downstream applications encompass industrial thickness measurement systems, level gauges, radiation calibration equipment, medical equipment, and other fields.

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This report studies the global Strontium-90 Sealed Radioactive Source demand, key companies, and key regions.

This report is a detailed and comprehensive analysis of the world market for Strontium-90 Sealed Radioactive Source, and provides market size (US$ million) and Year-over-Year (YoY) growth, considering 2025 as the base year. This report explores demand trends and competition, as well as details the characteristics of Strontium-90 Sealed Radioactive Source that contribute to its increasing demand across many markets.

Highlights and key features of the study
Global Strontium-90 Sealed Radioactive Source total market, 2021-2032, (USD Million)
Global Strontium-90 Sealed Radioactive Source total market by region & country, CAGR, 2021-2032, (USD Million)
U.S. VS China: Strontium-90 Sealed Radioactive Source total market, key domestic companies, and share, (USD Million)
Global Strontium-90 Sealed Radioactive Source revenue by player, revenue and market share 2021-2026, (USD Million)
Global Strontium-90 Sealed Radioactive Source total market by Type, CAGR, 2021-2032, (USD Million)
Global Strontium-90 Sealed Radioactive Source total market by Application, CAGR, 2021-2032, (USD Million)

This report profiles major players in the global Strontium-90 Sealed Radioactive Source market based on the following parameters - company overview, revenue, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Rosatom, Eckert & Ziegler, China Isotope & Radiation Corporation, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the world Strontium-90 Sealed Radioactive Source market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US$

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Millions), by player, by regions, by Type, and by Application. Data is given for the years 2021-2032 by year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the forecast year.

Global Strontium-90 Sealed Radioactive Source Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Strontium-90 Sealed Radioactive Source Market, Segmentation by Type:

High Activity Sources

Low Activity Sources

Global Strontium-90 Sealed Radioactive Source Market, Segmentation by Product Form:

Point Sources

Plane Sources

Ring Sources

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Rod Sources

Global Strontium-90 Sealed Radioactive Source Market, Segmentation by Sales Channel:

Direct Sales

Authorized Distributors

Others

Global Strontium-90 Sealed Radioactive Source Market, Segmentation by Application:

Industrial

Medical

Others

Companies Profiled:

Rosatom

Eckert & Ziegler

China Isotope & Radiation Corporation

Key Questions Answered
1. How big is the global Strontium-90 Sealed Radioactive Source market?
2. What is the demand of the global Strontium-90 Sealed Radioactive Source market?
3. What is the year over year growth of the global Strontium-90 Sealed Radioactive Source market?
4. What is the total value of the global Strontium-90 Sealed Radioactive Source market?
5. Who are the Major Players in the global Strontium-90 Sealed Radioactive Source market?

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6. What are the growth factors driving the market demand?

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