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Global Strontium-90 Industrial Radioactive Source Market 2026 by Company, Regions, Type and Application, Forecast to 2032

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Abstracts

According to our (Global Info Research) latest study, the global Strontium-90 Industrial Radioactive Source market size was valued at US$ 9.16 million in 2025 and is forecast to a readjusted size of US$ 12.31 million by 2032 with a CAGR of 4.1% during review period.

Strontium-90 industrial radioactive sources refer to sealed industrial radioactive sources that use the radioactive isotope strontium-90 (Sr-90) and its decay product yttrium-90 (Y-90) as radiation source materials, encapsulated in a metal container using a special sealing process. Sr-90 is a pure beta-emitting nuclide with a half-life of approximately 28.8 years, characterized by stable radiation output, long service life, no need for external power supply, and low maintenance costs. These radioactive sources are widely used in industrial thickness measurement, density measurement, level detection, static electricity elimination, industrial calibration, and process control systems, and are crucial core components of industrial nuclear instruments and online monitoring equipment. The Strontium-90 industrial radioactive source industry chain mainly consists of three segments: upstream radioactive raw material supply, midstream radioactive source manufacturing, and downstream industrial applications. The upstream source primarily consists of Strontium-90, a fission product generated during the reprocessing of spent nuclear reactor fuel. Because Sr-90 is a byproduct of nuclear fission, its extraction and separation require a mature nuclear fuel reprocessing system. Therefore, institutions globally with large-scale supply capabilities are mainly concentrated in Russia, China, and a few other countries with advanced nuclear industries. The midstream segment includes processes such as Sr-90 purification, core manufacturing, activity calibration, sealing and encapsulation, welding, leak detection, quality certification, and radioactive source transportation licensing. Sealing technology

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and radiation safety control constitute the core technological barriers in the industry. Downstream applications mainly include industrial thickness gauges, density gauges, level gauges, static electricity elimination equipment, industrial calibration equipment, and process control systems. The steel, aluminum foil, copper foil, lithium battery materials, plastic film, paper, and chemical industries are the main end-users.

This report is a detailed and comprehensive analysis for global Strontium-90 Industrial Radioactive Source market. Both quantitative and qualitative analyses are presented by company, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

Key Features:

Global Strontium-90 Industrial Radioactive Source market size and forecasts, in consumption value ($ Million), 2021-2032

Global Strontium-90 Industrial Radioactive Source market size and forecasts by region and country, in consumption value ($ Million), 2021-2032

Global Strontium-90 Industrial Radioactive Source market size and forecasts, by Type and by Application, in consumption value ($ Million), 2021-2032

Global Strontium-90 Industrial Radioactive Source market shares of main players, in revenue ($ Million), 2021-2026

The Primary Objectives in This Report Are:

To determine the size of the total market opportunity of global and key countries

To assess the growth potential for Strontium-90 Industrial Radioactive Source

To forecast future growth in each product and end-use market

To assess competitive factors affecting the marketplace

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This report profiles key players in the global Strontium-90 Industrial 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.

Market segmentation

Strontium-90 Industrial Radioactive Source market is split by Type and by Application. For the period 2021-2032, the growth among segments provides accurate calculations and forecasts for Consumption Value by Type and by Application. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Type

High Activity Sources

Low Activity Sources

Market segment by Product Form

Point Sources

Plane Sources

Ring Sources

Rod Sources

Market segment by Sales Channel

Direct Sales

OEM Supply

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Others

Market segment by Application

Thickness Gauging

Density Measurement

Industrial Calibration

Others

Market segment by players, this report covers

Rosatom

Eckert & Ziegler

China Isotope & Radiation Corporation

Market segment by regions, regional analysis covers

North America (United States, Canada and Mexico)

Europe (Germany, France, UK, Russia, Italy and Rest of Europe)

Asia-Pacific (China, Japan, South Korea, India, Southeast Asia and Rest of Asia-Pacific)

South America (Brazil, Rest of South America)

Middle East & Africa (Turkey, Saudi Arabia, UAE, Rest of Middle East & Africa)

The content of the study subjects, includes a total of 13 chapters:

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Chapter 1, to describe Strontium-90 Industrial Radioactive Source product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top players of Strontium-90 Industrial Radioactive Source, with revenue, gross margin, and global market share of Strontium-90 Industrial Radioactive Source from 2021 to 2026.

Chapter 3, the Strontium-90 Industrial Radioactive Source competitive situation, revenue, and global market share of top players are analyzed emphatically by landscape contrast.

Chapter 4 and 5, to segment the market size by Type and by Application, with consumption value and growth rate by Type, by Application, from 2021 to 2032.

Chapter 6, 7, 8, 9, and 10, to break the market size data at the country level, with revenue and market share for key countries in the world, from 2021 to 2026.and Strontium-90 Industrial Radioactive Source market forecast, by regions, by Type and by Application, with consumption value, from 2027 to 2032.

Chapter 11, market dynamics, drivers, restraints, trends, Porters Five Forces analysis.

Chapter 12, the key raw materials and key suppliers, and industry chain of Strontium-90 Industrial Radioactive Source.

Chapter 13, to describe Strontium-90 Industrial Radioactive Source research findings and conclusion.

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