

Global Cobalt-60 Market 2024 by Manufacturers, Regions, Type and Application, Forecast to 2030

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Abstracts

According to our (Global Info Research) latest study, the global Cobalt-60 market size was valued at USD 276.8 million in 2023 and is forecast to a readjusted size of USD 391.3 million by 2030 with a CAGR of 5.1% during review period.

Cobalt 60 is an isotope of cobalt. The radioactive source of cobalt 60 is widely used in agriculture, industry, medicine and other fields. It can be used for radiation breeding, stimulation of yield increase, radiation control of insect pests, food irradiation preservation and preservation, non-destructive inspection, radiation disinfection, Radiation processing, radiation treatment waste, thickness, density measurement and online automatic control, and radiotherapy for cancer and tumor. At present, only a few countries in the world, such as Canada, China, and Russia, have cobalt 60 production capacity, and the international market has a bright future. In the mid-1950s the increasing demand for sterile single-use medical devices led to a rapid expansion in the use of gamma irradiation to sterilize products as the technology provided a very effective means of ensuring sterility. Since then the range of applications that benefit from Cobalt-60 irradiation has grown enormously. A diverse array of products are now routinely processed to improve their characteristics and to meet market requirements. Irradiation using Cobalt-60 is an international industry that positively impacts daily on the health and wellbeing of a large proportion of the world's population.

Global Cobalt-60 key players include Bruce Power, Rosatom, China National Nuclear Corporation, etc. Global top three manufacturers hold a share about 96%. North America is the largest market, with a share about 40%, followed by Asia Pacific and Europe, both have a share over 52 percent. In terms of product, General Cobalt-60 is the largest segment, with a share over 95%. And in terms of application, the largest application is Medical Devices, followed by Industrial, etc.

The Global Info Research report includes an overview of the development of the Cobalt-60 industry chain, the market status of Medical Devices (High Specific Activity Cobalt-60, General Cobalt-60), Medical Radiotherapy (High Specific Activity Cobalt-60, General Cobalt-60), and key enterprises in developed and developing market, and analysed the cutting-edge technology, patent, hot applications and market trends of Cobalt-60.

Regionally, the report analyzes the Cobalt-60 markets in key regions. North America and Europe are experiencing steady growth, driven by government initiatives and increasing consumer awareness. Asia-Pacific, particularly China, leads the global Cobalt-60 market, with robust domestic demand, supportive policies, and a strong manufacturing base.

Key Features:

The report presents comprehensive understanding of the Cobalt-60 market. It provides a holistic view of the industry, as well as detailed insights into individual components and stakeholders. The report analysis market dynamics, trends, challenges, and opportunities within the Cobalt-60 industry.

The report involves analyzing the market at a macro level:

Market Sizing and Segmentation: Report collect data on the overall market size, including the sales quantity (M Curie), revenue generated, and market share of different by Type (e.g., High Specific Activity Cobalt-60, General Cobalt-60).

Industry Analysis: Report analyse the broader industry trends, such as government policies and regulations, technological advancements, consumer preferences, and market dynamics. This analysis helps in understanding the key drivers and challenges influencing the Cobalt-60 market.

Regional Analysis: The report involves examining the Cobalt-60 market at a regional or national level. Report analyses regional factors such as government incentives, infrastructure development, economic conditions, and consumer behaviour to identify variations and opportunities within different markets.

Market Projections: Report covers the gathered data and analysis to make future projections and forecasts for the Cobalt-60 market. This may include estimating market

growth rates, predicting market demand, and identifying emerging trends.

The report also involves a more granular approach to Cobalt-60:

Company Analysis: Report covers individual Cobalt-60 manufacturers, suppliers, and other relevant industry players. This analysis includes studying their financial performance, market positioning, product portfolios, partnerships, and strategies.

Consumer Analysis: Report covers data on consumer behaviour, preferences, and attitudes towards Cobalt-60. This may involve surveys, interviews, and analysis of consumer reviews and feedback from different by Application (Medical Devices, Medical Radiotherapy).

Technology Analysis: Report covers specific technologies relevant to Cobalt-60. It assesses the current state, advancements, and potential future developments in Cobalt-60 areas.

Competitive Landscape: By analyzing individual companies, suppliers, and consumers, the report presents insights into the competitive landscape of the Cobalt-60 market. This analysis helps understand market share, competitive advantages, and potential areas for differentiation among industry players.

Market Validation: The report involves validating findings and projections through primary research, such as surveys, interviews, and focus groups.

Market Segmentation

Cobalt-60 market is split by Type and by Application. For the period 2019-2030, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value.

Market segment by Type

High Specific Activity Cobalt-60

General Cobalt-60

Market segment by Application

Medical Devices

Medical Radiotherapy

Industrial

Other

Major players covered

Bruce Power

Rosatom

China National Nuclear Corporation

Eckert & Ziegler

Market segment by region, regional analysis covers

North America (United States, Canada and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe Cobalt-60 product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Cobalt-60, with price, sales, revenue and global market share of Cobalt-60 from 2019 to 2024.

Chapter 3, the Cobalt-60 competitive situation, sales quantity, revenue and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Cobalt-60 breakdown data are shown at the regional level, to show the sales quantity, consumption value and growth by regions, from 2019 to 2030.

Chapter 5 and 6, to segment the sales by Type and application, with sales market share and growth rate by type, application, from 2019 to 2030.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value and market share for key countries in the world, from 2017 to 2023. and Cobalt-60 market forecast, by regions, type and application, with sales and revenue, from 2025 to 2030.

Chapter 12, market dynamics, drivers, restraints, trends and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Cobalt-60.

Chapter 14 and 15, to describe Cobalt-60 sales channel, distributors, customers, research findings and conclusion.

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