

Global Cobalt Recycling Market 2025 by Manufacturers, Regions, Type and Application, Forecast to 2031

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Abstracts

According to our (Global Info Research) latest study, the global Cobalt Recycling market size was valued at US\$ 1626 million in 2024 and is forecast to a readjusted size of USD 3650 million by 2031 with a CAGR of 12.4% during review period.

In this report, we will assess the current U.S. tariff framework alongside international policy adaptations, analyzing their effects on competitive market structures, regional economic dynamics, and supply chain resilience.

Cobalt recycling involves the process of recovering cobalt from used products, scrap, and industrial waste to reuse it in various applications. Given cobalt's critical role in many industries, including electronics, batteries (especially lithium-ion batteries), and superalloys, recycling is essential for conserving resources, reducing environmental impact, and maintaining a stable supply chain.

In 2016, Amnesty International, a US human rights organization, claimed that some companies, including Apple, Samsung Electronics, Sony, and Microsoft, purchased cobalt from producers who used minors to mine cobalt, which brought huge negative impacts to technology companies. Since then, a large number of technology companies have begun to make their supply chains transparent to verify that the cobalt they use comes from regular manufacturers. Recycled cobalt has received a lot of attention due to its completely green production. Apple announced that by 2025, all Apple-designed batteries will use 100% recycled cobalt. At the same time, with the rapid expansion of the electric vehicle (EV) industry, especially in the context of the global transition to renewable energy, the demand for cobalt as a key material in lithium-ion batteries has increased significantly. The application of recycled cobalt can effectively alleviate the

problems of supply chain tension and insufficient cobalt resources in China.

In 2019, the global production of recycled cobalt was about 16,460 metal metric tons, of which cobalt from lithium battery waste accounted for 68.81%. In 2023, the global production of recycled cobalt will grow rapidly to 43,408 metal metric tons, of which 83.50% will come from lithium battery waste. It is estimated that in 2030, the global production of recycled cobalt will be 98,324 metal metric tons, with a compound annual growth rate of 9.86% from 2024 to 2030.

From the perspective of consumption regions, China occupies an absolute share. In 2023, China's recycled cobalt consumption will be 31,214 tons of metal, accounting for about 71.90% of the global market. China itself is a major producer and consumer of refined cobalt, producing and consuming 85% of the world's refined cobalt. With the development of electric vehicles, the lithium battery recycling industry in the United States and Europe is also developing rapidly. It is estimated that in 2030, the consumption of recycled cobalt in the United States and Europe will be 8,470 tons of metal and 10,171 tons of metal, respectively. In Africa, CNGR Advanced Material, a Chinese battery material giant, has built a new lithium battery ternary precursor material plant and recycling plant in Morocco, which has led to Morocco's emergence in the recycled cobalt market.

From the perspective of production companies, the world's top five recycled cobalt companies are all Chinese companies. The major global manufacturers of Recycled Cobalt include GEM, Huayou Holding Group, CNGR Advanced Material, BRUNP RECYCLING, Miracle Automation Engineering, Redwood Materials, Umicore, Guangdong Guanghua Sci-Tech, Ganzhou Highpower Technology, and TES, etc.

This report is a detailed and comprehensive analysis for global Cobalt Recycling market. Both quantitative and qualitative analyses are presented by manufacturers, 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 Cobalt Recycling market size and forecasts, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/Ton), 2020-2031

Global Cobalt Recycling market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/Ton), 2020-2031

Global Cobalt Recycling market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/Ton), 2020-2031

Global Cobalt Recycling market shares of main players, shipments in revenue (\$ Million), sales quantity (Tons), and ASP (US\$/Ton), 2020-2025

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 Cobalt Recycling
- To forecast future growth in each product and end-use market
- To assess competitive factors affecting the marketplace

This report profiles key players in the global Cobalt Recycling market based on the following parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include GEM, Huayou Holding Group, CNGR Advanced Material, BRUNP RECYCLING, Miracle Automation Engineering, Redwood Materials, Umicore, Guangdong Guanghua Sci-Tech, Ganzhou Highpower Technology, TES, etc. This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Market Segmentation

Cobalt Recycling market is split by Type and by Application. For the period 2020-2031, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Type

Sources of Used Batteries

Sources of Cobalt Alloy Waste

Other

Market segment by Application

Automotive Power Battery

Consumer Electronics Battery

Alloy

Other

Major players covered

GEM

Huayou Holding Group

CNGR Advanced Material

BRUNP RECYCLING

Miracle Automation Engineering

Redwood Materials

Umicore

Guangdong Guanghua Sci-Tech

Ganzhou Highpower Technology

TES

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 Recycling product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Cobalt Recycling, with price, sales quantity, revenue, and global market share of Cobalt Recycling from 2020 to 2025.

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

Chapter 4, the Cobalt Recycling breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2020 to 2031.

Chapter 5 and 6, to segment the sales by Type and by Application, with sales market share and growth rate by Type, by Application, from 2020 to 2031.

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 2020 to 2025. and Cobalt Recycling market forecast, by regions, by Type, and by Application, with sales and revenue, from 2026 to 2031.

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 Recycling.

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

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