

# Global Lithium Cobalt Oxide for Batteries Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

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## Abstracts

According to our (Global Info Research) latest study, the global Lithium Cobalt Oxide for Batteries market size was valued at US\$ 4758 million in 2025 and is forecast to a readjusted size of US\$ 8143 million by 2032 with a CAGR of 8.2% during review period.

In 2025, global Lithium Cobalt Oxide for Batteries production reached approximately 137 k tons, with an average global market price of around US\$33,750 per ton. Lithium cobalt oxide for batteries (also know as LiCoO<sub>2</sub>) is a critical material used in the cathode of lithium-ion batteries, which are widely utilized in various electronic devices such as smartphones, laptops, electric vehicles, and more.

The global market for battery-grade Lithium Cobalt Oxide (LCO) is characterized by demand heavily concentrated in high-end consumer electronics, with its growth closely tied to the innovation cycles of products like smartphones. Currently, the supply of the critical raw material, cobalt, is highly concentrated, with the Democratic Republic of Congo (DRC) accounting for approximately 75% of global cobalt mine production, forming a pivotal link in the supply chain. The primary market development trend is continuous performance enhancement through technological advancement, specifically towards high-voltage applications (e.g., above 4.6V) via modification techniques like bulk doping and surface coating to increase energy density and fast-charging capability. Concurrently, developing LCO materials compatible with next-generation solid-state battery technology is a significant research direction. Growth opportunities arise from the persistent demand for batteries with high volumetric energy density from emerging hardware like foldable phones and drones. Additionally, specific solutions in the new energy vehicle sector, such as range-extended electric vehicles, present structural opportunities for LCO in powertrain applications. However, significant obstacles exist.

The foremost challenge is supply security and price volatility of cobalt, given its concentrated resources in the DRC, where geopolitical and export policy uncertainties are the biggest variables affecting global supply chain stability. Furthermore, in cost-sensitive applications, LCO faces substitution pressure from other cathode materials like Lithium Iron Phosphate (LFP) and high-nickel NMC.

This report is a detailed and comprehensive analysis for global Lithium Cobalt Oxide for Batteries 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 Lithium Cobalt Oxide for Batteries market size and forecasts, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/Kg), 2021-2032

Global Lithium Cobalt Oxide for Batteries market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/Kg), 2021-2032

Global Lithium Cobalt Oxide for Batteries market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/Kg), 2021-2032

Global Lithium Cobalt Oxide for Batteries market shares of main players, shipments in revenue (\$ Million), sales quantity (Tons), and ASP (US\$/Kg), 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 Lithium Cobalt Oxide for Batteries

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 Lithium Cobalt Oxide for Batteries 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 Xtc New Energy Materials, Tianjin B&M (Huayou Cobalt), Nichia, Ningbo Shanshan, Tianjin Guoan Mengguli, Jiangmen Kanhoo Industry, Nippon Chemical Industries, Umicore, etc.

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

## **Market Segmentation**

Lithium Cobalt Oxide for Batteries 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 in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Type

Voltage 4.5V

Market segment by Property

Conventional Type

High-Rate Type

High-Density Type

High-Voltage Type

Market segment by Particle Size

Particle Size

Particle Size 10?20 ?m

Particle Size > 20 ?m

#### Market segment by Application

Consumer Electronics

Electric Vehicles

Energy Storage Batteries

Others

#### Major players covered

Xtc New Energy Materials

Tianjin B&M (Huayou Cobalt)

Nichia

Ningbo Shanshan

Tianjin Guoan Mengguli

Jiangmen Kanhoo Industry

Nippon Chemical Industries

Umicore

#### 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 Lithium Cobalt Oxide for Batteries product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Lithium Cobalt Oxide for Batteries, with price, sales quantity, revenue, and global market share of Lithium Cobalt Oxide for Batteries from 2021 to 2026.

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

Chapter 4, the Lithium Cobalt Oxide for Batteries breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2021 to 2032.

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 2021 to 2032.

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 2021 to 2026. and Lithium Cobalt Oxide for Batteries market forecast, by regions, by Type, and by Application, with sales and revenue, from 2027 to 2032.

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 Lithium Cobalt Oxide for Batteries.

Chapter 14 and 15, to describe Lithium Cobalt Oxide for Batteries sales channel, distributors, customers, research findings and conclusion.

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