

Global NCM Cathode Black Powder 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 NCM Cathode Black Powder market size was valued at US\$ 905 million in 2025 and is forecast to a readjusted size of US\$ 2087 million by 2032 with a CAGR of 12.7% during review period.

NCM Cathode Black Powder refers to the dark powdered cathode concentrate enriched with nickel, cobalt, manganese, lithium, and residual graphite carbon, generated after systematic pretreatment of spent nickel-cobalt-manganese lithium-ion batteries through discharge, crushing, thermal treatment, and mechanical separation processes to remove casings, separators, and copper and aluminum current collectors. As a core intermediate linking dismantling and metallurgical refining in the lithium battery recycling chain, it represents the primary feedstock for hydrometallurgical recovery of battery-grade metal salts and ternary precursor materials. The upstream segment mainly consists of equipment and dismantling solution providers such as Dalan Environmental Protection, JieBang Precision, and Tianqi Shares, which supply crushing, sorting, and pyrolysis systems and undertake end-of-life battery collection and preprocessing. The midstream forms the technical core of regeneration, applying hydrometallurgical extraction and precision purification technologies, including those developed by Sunresin New Materials Co., Ltd. (Blue-Star), to recover and synthesize battery-grade ternary precursors or cathode materials from the black powder. Downstream applications directly serve power and energy storage battery manufacturers such as CATL, Gotion High-tech, CALB, and EVE Energy, where regenerated materials are reintegrated into new battery production, forming a closed-loop system of manufacturing, utilization, recycling, and remanufacturing. In 2025, the average gross margin was approximately 48%, the capacity utilization rate was about 71%, and

production reached around 80,000 metric tons at an average price of USD 11,000 per ton.

This report is a detailed and comprehensive analysis for global NCM Cathode Black Powder 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 NCM Cathode Black Powder market size and forecasts, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/Ton), 2021-2032

Global NCM Cathode Black Powder market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/Ton), 2021-2032

Global NCM Cathode Black Powder market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/Ton), 2021-2032

Global NCM Cathode Black Powder market shares of main players, shipments in revenue (\$ Million), sales quantity (Tons), and ASP (US\$/Ton), 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 NCM Cathode Black Powder
- 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 NCM Cathode Black Powder 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 Brunp Recycling, Ganfeng Lithium, GEM, Miracle Automation Engineering, Redwood Materials, Glencore, Ganzhou Longkai Technology, Huayou Cobalt, Umicore, SungEel HiTech, etc.

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

Market Segmentation

NCM Cathode Black Powder 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

NCM523

NCM622

Others

Market segment by Technology

Pyrometallurgical Smelting

Hydrometallurgical Recovery

Market segment by Content

Li?4%

Li?4%

Market segment by Application

Power Battery

Energy Storage Battery

Others

Major players covered

Brunp Recycling

Ganfeng Lithium

GEM

Miracle Automation Engineering

Redwood Materials

Glencore

Ganzhou Longkai Technology

Huayou Cobalt

Umicore

SungEel HiTech

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 NCM Cathode Black Powder product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of NCM Cathode Black Powder, with price, sales quantity, revenue, and global market share of NCM Cathode Black Powder from 2021 to 2026.

Chapter 3, the NCM Cathode Black Powder competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the NCM Cathode Black Powder 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 NCM Cathode Black Powder 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 NCM Cathode Black Powder.

Chapter 14 and 15, to describe NCM Cathode Black Powder sales channel, distributors,

customers, research findings and conclusion.

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