

Global NCM Cathode Black Powder Market Growth 2026-2032

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Abstracts

The global NCM Cathode Black Powder market size is predicted to grow from US\$ 861 million in 2025 to US\$ 2069 million in 2032; it is expected to grow at a CAGR of 13.5% from 2026 to 2032.

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.

United States market for NCM Cathode Black Powder is estimated to increase from US\$ million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

China market for NCM Cathode Black Powder is estimated to increase from US\$ million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

Europe market for NCM Cathode Black Powder is estimated to increase from US\$ million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

Global key NCM Cathode Black Powder players cover Brunp Recycling, Ganfeng Lithium, GEM, Miracle Automation Engineering, Redwood Materials, etc. In terms of revenue, the global two largest companies occupied for a share nearly % in 2025.

LP Information, Inc. (LPI) ' newest research report, the "NCM Cathode Black Powder Industry Forecast" looks at past sales and reviews total world NCM Cathode Black Powder sales in 2025, providing a comprehensive analysis by region and market sector of projected NCM Cathode Black Powder sales for 2026 through 2032. With NCM Cathode Black Powder sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world NCM Cathode Black Powder industry.

This Insight Report provides a comprehensive analysis of the global NCM Cathode Black Powder landscape and highlights key trends related to product segmentation, company formation, revenue, and market share, latest development, and M&A activity. This report also analyzes the strategies of leading global companies with a focus on NCM Cathode Black Powder portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global NCM Cathode Black Powder market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for NCM Cathode Black Powder and breaks down the forecast by Type, by Application, geography, and market size to highlight emerging pockets of opportunity. With a transparent methodology based on hundreds of bottom-up qualitative and quantitative market inputs, this study forecast offers a highly nuanced view of the current state and future trajectory in the global NCM Cathode Black Powder.

This report presents a comprehensive overview, market shares, and growth opportunities of NCM Cathode Black Powder market by product type, application, key

manufacturers and key regions and countries.

Segmentation by Type:

NCM523

NCM622

Others

Segmentation by Technology:

Pyrometallurgical Smelting

Hydrometallurgical Recovery

Segmentation by Content:

Li?4%

Li?4%

Segmentation by Application:

Power Battery

Energy Storage Battery

Others

This report also splits the market by region:

Americas

United States

Canada

Mexico

Brazil

APAC

China

Japan

Korea

Southeast Asia

India

Australia

Europe

Germany

France

UK

Italy

Russia

Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

The below companies that are profiled have been selected based on inputs gathered from primary experts and analysing the company's coverage, product portfolio, its market penetration.

Brunp Recycling

Ganfeng Lithium

GEM

Miracle Automation Engineering

Redwood Materials

Glencore

Ganzhou Longkai Technology

Huayou Cobalt

Umicore

SungEel HiTech

Key Questions Addressed in this Report

What is the 10-year outlook for the global NCM Cathode Black Powder market?

What factors are driving NCM Cathode Black Powder market growth, globally and by region?

Which technologies are poised for the fastest growth by market and region?

How do NCM Cathode Black Powder market opportunities vary by end market size?

How does NCM Cathode Black Powder break out by Type, by Application?

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