

Global NCM Cathode Black Powder Supply, Demand and Key Producers, 2026-2032

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Abstracts

The global NCM Cathode Black Powder market size is expected to reach \$ 2087 million by 2032, rising at a market growth of 12.7% CAGR during the forecast period (2026-2032).

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.

This report studies the global NCM Cathode Black Powder production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for NCM Cathode Black Powder and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2025 as the base year. This report explores demand trends and competition, as well as details the characteristics of NCM Cathode Black Powder that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global NCM Cathode Black Powder total production and demand, 2021-2032, (Tons)
Global NCM Cathode Black Powder total production value, 2021-2032, (USD Million)
Global NCM Cathode Black Powder production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (Tons), (based on production site)
Global NCM Cathode Black Powder consumption by region & country, CAGR, 2021-2032 & (Tons)
U.S. VS China: NCM Cathode Black Powder domestic production, consumption, key domestic manufacturers and share
Global NCM Cathode Black Powder production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (Tons)
Global NCM Cathode Black Powder production by Type, production, value, CAGR, 2021-2032, (USD Million) & (Tons)
Global NCM Cathode Black Powder production by Application, production, value, CAGR, 2021-2032, (USD Million) & (Tons)

This report profiles key players in the global NCM Cathode Black Powder market based on the following parameters - company overview, production, value, 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.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World NCM Cathode Black Powder market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (Tons) and average price (US\$/Ton) by manufacturer, by Type, and by Application. Data is given for the years 2021-2032 by year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the forecast year.

Global NCM Cathode Black Powder Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global NCM Cathode Black Powder Market, Segmentation by Type:

NCM523

NCM622

Others

Global NCM Cathode Black Powder Market, Segmentation by Technology:

Pyrometallurgical Smelting

Hydrometallurgical Recovery

Global NCM Cathode Black Powder Market, Segmentation by Content:

Li?4%

Li?4%

Global NCM Cathode Black Powder Market, Segmentation by Application:

Power Battery

Energy Storage Battery

Others

Companies Profiled:

Brunp Recycling

Ganfeng Lithium

GEM

Miracle Automation Engineering

Redwood Materials

Glencore

Ganzhou Longkai Technology

Huayou Cobalt

Umicore

SungEel HiTech

Key Questions Answered:

1. How big is the global NCM Cathode Black Powder market?
2. What is the demand of the global NCM Cathode Black Powder market?
3. What is the year over year growth of the global NCM Cathode Black Powder market?
4. What is the production and production value of the global NCM Cathode Black Powder market?
5. Who are the key producers in the global NCM Cathode Black Powder market?
6. What are the growth factors driving the market demand?

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