

# Global NCM Battery Electrode Recycled Black Mass Market Growth 2026-2032

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## Abstracts

The global NCM Battery Electrode Recycled Black Mass 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 Battery Electrode Recycled Black Mass refers to the black powder material obtained after end-of-life nickel-cobalt-manganese (NCM) lithium-ion batteries undergo discharge, shredding, pyrolysis, and physical separation processes, during which casing, separators, and copper/aluminum current collectors are removed, and active materials from cathode and anode electrodes are selectively concentrated. Rich in nickel, cobalt, manganese, lithium, and graphitic carbon, this black mass serves as the critical intermediate linking mechanical pretreatment and chemical refining, and is the core feedstock for hydrometallurgical production of battery-grade metal salts and NCM precursors. The upstream segment is supported by equipment suppliers such as Dalian Environmental Protection, Jiebang Precision, and Miracle Automation, which provide key machinery for shredding, separation, and pyrolysis to enable efficient black mass extraction from spent batteries. The midstream focuses on high-efficiency recovery and synthesis of battery-grade NCM precursors or cathode materials through hydrometallurgical processing integrated with Lanxiao Technology's advanced purification systems. Downstream, the regenerated materials are directly supplied to traction and energy storage battery manufacturers including CATL, Gotion High-Tech, CALB, and EVE Energy, closing the loop across battery production, utilization, recycling, regeneration, and remanufacturing. In 2025, this product achieved an average gross margin of approximately 48%, a capacity utilization rate of 71%, a production volume of around 80,000 metric tons, and an average price of USD 11,000 per ton.

United States market for NCM Battery Electrode Recycled Black Mass 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 Battery Electrode Recycled Black Mass 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 Battery Electrode Recycled Black Mass 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 Battery Electrode Recycled Black Mass 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 Battery Electrode Recycled Black Mass Industry Forecast" looks at past sales and reviews total world NCM Battery Electrode Recycled Black Mass sales in 2025, providing a comprehensive analysis by region and market sector of projected NCM Battery Electrode Recycled Black Mass sales for 2026 through 2032. With NCM Battery Electrode Recycled Black Mass sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world NCM Battery Electrode Recycled Black Mass industry.

This Insight Report provides a comprehensive analysis of the global NCM Battery Electrode Recycled Black Mass 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 Battery Electrode Recycled Black Mass portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global NCM Battery Electrode Recycled Black Mass market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for NCM Battery Electrode Recycled Black Mass 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 Battery Electrode Recycled Black Mass.

This report presents a comprehensive overview, market shares, and growth opportunities of NCM Battery Electrode Recycled Black Mass 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 Battery Electrode Recycled Black Mass market?

What factors are driving NCM Battery Electrode Recycled Black Mass market growth, globally and by region?

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

How do NCM Battery Electrode Recycled Black Mass market opportunities vary by end market size?

How does NCM Battery Electrode Recycled Black Mass break out by Type, by Application?

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