

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

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## Abstracts

The global NCM Recycled Battery 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 Recycled Battery Black Mass refers to the black powdered active material rich in metallic elements such as nickel, cobalt, manganese, lithium, and graphite carbon, obtained after preprocessing steps including discharge, crushing, pyrolysis, and physical separation to remove battery casings, separators, and copper/aluminum foil current collectors from spent nickel-cobalt-manganese lithium-ion batteries. It serves as a key intermediate product connecting physical dismantling and chemical extraction in the lithium-battery recycling value chain, and it is the core raw material for hydrometallurgical recovery of battery-grade metal salts. The upstream segment mainly consists of equipment providers such as Dalan Environmental Protection, JieBang Precision, and Tianqi Shares, which supply core crushing, sorting, and pyrolysis equipment and are responsible for collecting and dismantling end-of-life batteries to produce black mass. The midstream segment represents the core of recycling and regeneration, utilizing hydrometallurgy and fine-purification technologies, such as those from Sunresin New Materials Co., Ltd. (Blue Star) to efficiently extract, purify, and synthesize battery-grade ternary precursors or cathode materials from the black mass. The downstream application directly supplies power and energy-storage battery manufacturers, including CATL, Gotion High-tech, CALB, and EVE Energy, where the regenerated materials are used to manufacture new power batteries and energy-storage products, thereby forming an industrial closed loop of battery production, use, collection, recycling, and remanufacturing. In 2025, the average gross margin was approximately 48%, and the capacity utilization rate was about 71%. The production volume in 2025 reached around 80,000 metric tons, with an average price of

USD 11,000 per ton.

United States market for NCM Recycled Battery 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 Recycled Battery 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 Recycled Battery 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 Recycled Battery 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 Recycled Battery Black Mass Industry Forecast' looks at past sales and reviews total world NCM Recycled Battery Black Mass sales in 2025, providing a comprehensive analysis by region and market sector of projected NCM Recycled Battery Black Mass sales for 2026 through 2032. With NCM Recycled Battery 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 Recycled Battery Black Mass industry.

This Insight Report provides a comprehensive analysis of the global NCM Recycled Battery 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 Recycled Battery 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 Recycled Battery Black Mass market.

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

Mass.

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

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

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

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

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

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