

Global LCO Battery Recycled Black Mass 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 LCO Battery Recycled Black Mass market size was valued at US\$ 206 million in 2025 and is forecast to a readjusted size of US\$ 427 million by 2032 with a CAGR of 10.7% during review period.

LCO Battery Recycled Black Mass is a cobalt-rich intermediate material obtained from recycling end-of-life lithium cobalt oxide batteries through mechanical and thermal pretreatment. It concentrates valuable metals such as cobalt and lithium, enabling efficient hydrometallurgical refining and closed-loop reuse in battery materials. Its advantages lie in high cobalt grade, stable composition, strong suitability for downstream wet-process recovery, and clear economic value under a circular-economy framework. In 2025, the industry's capacity utilization rate was about 60%, and the average gross margin was approximately 45%. In 2025, production reached 11,111 tons at an average price of US\$18,000 per ton. Upstream, the supply chain is mainly supported by core crushing, sorting, and pyrolysis equipment, with representative equipment providers including Metso, ANDRITZ, and Outotec. The midstream focuses on battery dismantling, safe discharge, physical separation, thermal treatment, and standardized black mass preparation, where process control and metal recovery efficiency determine product quality and yield. Downstream demand primarily comes from automotive batteries and energy storage batteries, with representative customers including CATL, BYD, Panasonic, LG Energy Solution, and Samsung SDI.

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

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

Global LCO Battery Recycled Black Mass 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 LCO Battery Recycled Black Mass 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 LCO Battery Recycled Black Mass

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 LCO Battery Recycled Black Mass 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, CNGR Advanced Material, Zhejiang Guanghua Technology, Redwood Materials, Glencore, Ganzhou Longkai Technology, Huayou Cobalt, etc.

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

Market Segmentation

LCO Battery Recycled Black Mass 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

Particle Size?50?m

50?Particle Size?100?m

Others

Market segment by Technology

Pyrometallurgical Smelting

Hydrometallurgical Recovery

Market segment by Content

20%? Co?35%

Co?35%

Market segment by Application

Power Battery

Energy Storage Battery

Others

Major players covered

Brunp Recycling

Ganfeng Lithium

GEM

Miracle Automation Engineering

CNGR Advanced Material

Zhejiang Guanghua Technology

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 LCO Battery Recycled Black Mass product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of LCO Battery Recycled Black Mass, with price, sales quantity, revenue, and global market share of LCO Battery Recycled Black Mass from 2021 to 2026.

Chapter 3, the LCO Battery Recycled Black Mass competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the LCO Battery Recycled Black Mass 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 LCO Battery Recycled Black Mass 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 LCO Battery Recycled Black Mass.

Chapter 14 and 15, to describe LCO Battery Recycled Black Mass sales channel, distributors, customers, research findings and conclusion.

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