

Global Lithium-ion Battery Back-end Equipment Market Growth (Status and Outlook) 2024-2030

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Abstracts

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According to our LPI (LP Information) latest study, the global Lithium-ion Battery Back-end Equipment market size was valued at US\$ 1944.8 million in 2023. With growing demand in downstream market, the Lithium-ion Battery Back-end Equipment is forecast to a readjusted size of US\$ 4898.7 million by 2030 with a CAGR of 14.1% during review period.

The research report highlights the growth potential of the global Lithium-ion Battery Back-end Equipment market. Lithium-ion Battery Back-end Equipment are expected to show stable growth in the future market. However, product differentiation, reducing costs, and supply chain optimization remain crucial for the widespread adoption of Lithium-ion Battery Back-end Equipment. Market players need to invest in research and development, forge strategic partnerships, and align their offerings with evolving consumer preferences to capitalize on the immense opportunities presented by the Lithium-ion Battery Back-end Equipment market.

The production process of lithium batteries covers three stages: the first stage is to process the raw material into electrodes and the core process is coating. The purpose of the pre-process is to process the raw material into electrodes, with the core process being coating; the purpose of the mid-process is to process the electrodes into inactive cells, with forming and dividing being the core processes in the post-process.

The latter part of the process is divided into two main stages: post-treatment and PACK. The post-processing of Li-ion battery is to activate, test and determine the quality of the cores after they are completed, which includes forming, dividing and sorting of the

cores.

China's policy on lithium-ion batteries mainly focuses on lithium-ion batteries. In 2015, in order to strengthen the management of lithium-ion battery industry and improve the development level of the industry, China formulated the Standard of Lithium-ion Battery Industry. the global sales of new energy vehicles reached 10.8 million units in 2022, with a year-on-year increase of 61.6%. In 2022, China new energy vehicle sales reached 6.8 million units, and the global share increased to 63.6%. In Q4 2022, sales penetration rate of China's new energy vehicle reached 27%, while the global average penetration rate was only 15%. Europe penetration was 19%, and North America penetration rate was only 6%. Lithium batteries will fully benefit from the high growth of downstream demand. According to the Ministry of Industry and Information Technology, China's lithium-ion battery production reached 750 GWh in 2022, up more than 130 percent year on year. Among them, the output of lithium energy storage battery exceeded 100 GWh, and the total output value of the industry exceeded 1.2 trillion yuan. The industrial application of lithium battery was also growing rapidly. In 2022, the loading capacity of new energy vehicle power battery was about 295 GWh, and the new energy vehicle power battery was about 295 GWh. According to our research, in 2022, the overall global lithium-ion battery shipments were 957GWh, a year-on-year increase of 70%. Global vehicle power battery (EV LIB) shipments were 684GWh, a year-on-year increase of 84%; Energy storage battery (ESS LIB) shipments were 159.3GWh, a year-on-year increase of 140%.

Key Features:

The report on Lithium-ion Battery Back-end Equipment market reflects various aspects and provide valuable insights into the industry.

Market Size and Growth: The research report provide an overview of the current size and growth of the Lithium-ion Battery Back-end Equipment market. It may include historical data, market segmentation by Type (e.g., Post-processing Equipment, PACK Automated Assembly System), and regional breakdowns.

Market Drivers and Challenges: The report can identify and analyse the factors driving the growth of the Lithium-ion Battery Back-end Equipment market, such as government regulations, environmental concerns, technological advancements, and changing consumer preferences. It can also highlight the challenges faced by the industry, including infrastructure limitations, range anxiety, and high upfront costs.

Competitive Landscape: The research report provides analysis of the competitive landscape within the Lithium-ion Battery Back-end Equipment market. It includes profiles of key players, their market share, strategies, and product offerings. The report can also highlight emerging players and their potential impact on the market.

Technological Developments: The research report can delve into the latest technological developments in the Lithium-ion Battery Back-end Equipment industry. This include advancements in Lithium-ion Battery Back-end Equipment technology, Lithium-ion Battery Back-end Equipment new entrants, Lithium-ion Battery Back-end Equipment new investment, and other innovations that are shaping the future of Lithium-ion Battery Back-end Equipment.

Downstream Procumbent Preference: The report can shed light on customer procumbent behaviour and adoption trends in the Lithium-ion Battery Back-end Equipment market. It includes factors influencing customer ' purchasing decisions, preferences for Lithium-ion Battery Back-end Equipment product.

Government Policies and Incentives: The research report analyse the impact of government policies and incentives on the Lithium-ion Battery Back-end Equipment market. This may include an assessment of regulatory frameworks, subsidies, tax incentives, and other measures aimed at promoting Lithium-ion Battery Back-end Equipment market. The report also evaluates the effectiveness of these policies in driving market growth.

Environmental Impact and Sustainability: The research report assess the environmental impact and sustainability aspects of the Lithium-ion Battery Back-end Equipment market.

Market Forecasts and Future Outlook: Based on the analysis conducted, the research report provide market forecasts and outlook for the Lithium-ion Battery Back-end Equipment industry. This includes projections of market size, growth rates, regional trends, and predictions on technological advancements and policy developments.

Recommendations and Opportunities: The report conclude with recommendations for industry stakeholders, policymakers, and investors. It highlights potential opportunities for market players to capitalize on emerging trends, overcome challenges, and contribute to the growth and development of the Lithium-ion Battery Back-end Equipment market.

Market Segmentation:

Lithium-ion Battery Back-end Equipment market is split by Type and by Application. For the period 2019-2030, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of value.

Segmentation by type

- Post-processing Equipment

- PACK Automated Assembly System

Segmentation by application

- Consumer Electronics

- Power

- 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 analyzing the company's coverage, product portfolio, its market penetration.

Digatron

Bitrode

PNE

KATAOKA CORP

Chroma ATE

AeroVironment

Arbin Instruments

AVL

MACCOR

Manz

AkasolGMBH

BMZ

Shenzhen Yinghe Technology

Zhejiang HangKe Technology

LAED Intelligent

Guangdong Lyric Robot

Fujian Nebula Electronics

Guangzhou Kinte

Shenzhen Repower

Anghua (Shanghai) Automation Engineering

Shanghai Junyi Automation

Shenzhen HYNN Technologies

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