

# Lithium-Ion Cell Post-Processing Equipment Market to Hit \$3.85B by 2029, Growing at a Strong 15% CAGR

*The Business Research Company's  
Lithium-Ion Cell Post-Processing  
Equipment Market to Hit \$3.85B by 2029,  
Growing at a Strong 15% CAGR*

LONDON, GREATER LONDON, UNITED  
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What Is The Forecast For The Lithium-Ion Cell Post Processing Equipment Market From 2024 To 2029?

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Expected to grow to \$3.85 billion in 2029 at a compound annual growth rate (CAGR) of 15%”

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Company*

The market size of lithium-ion cell post-processing equipment has experienced a swift expansion recently. It is projected to increase from a valuation of \$1.91 billion in 2024 to a substantial \$2.21 billion in 2025, with a compound annual growth rate (CAGR) of 15.3%. This remarkable growth during the historic period is due to the surging demand for consumer electronics, the intensifying acceptance of electric vehicles, the escalating need for effective energy storage systems, enlargement of battery

manufacturing capabilities, rising government incentives promoting renewable energy, burgeoning investment in battery production infrastructures, and a heightened emphasis on optimizing battery performance.

In the years to come, the lithium-ion cell post processing equipment market is projected to experience substantial growth and is anticipated to reach \$3.85 billion by 2029, advancing at a compound annual growth rate (CAGR) of 15.0%. This anticipated growth during the forecast period can be ascribed to the escalating usage of energy storage solutions, amplified production of electric vehicles, mounting emphasis on eco-friendly battery recycling, mushrooming of giga-scale battery factories, rise in investment towards cutting-edge automation technologies,

heightened demand for superior lithium-ion batteries and growing adoption of renewable energy storage systems. The key trends during the forecast period include enhancements in battery testing equipment, breakthroughs in formation and aging processes, advancements in smart manufacturing systems, R&D in improving battery quality, the incorporation of AI and IoT in post-processing tools, and progress in automation and digital integration.

Download a free sample of the lithium-ion cell post processing equipment market report:

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### What Are The Core Growth Drivers Shaping The Future Of The Lithium-Ion Cell Post Processing Equipment Market?

In the years to come, the lithium-ion cell post processing equipment market is projected to experience substantial growth and is anticipated to reach \$3.85 billion by 2029, advancing at a compound annual growth rate (CAGR) of 15.0%. This anticipated growth during the forecast period can be ascribed to the escalating usage of energy storage solutions, amplified production of electric vehicles, mounting emphasis on eco-friendly battery recycling, mushrooming of giga-scale battery factories, rise in investment towards cutting-edge automation technologies, heightened demand for superior lithium-ion batteries and growing adoption of renewable energy storage systems. The key trends during the forecast period include enhancements in battery testing equipment, breakthroughs in formation and aging processes, advancements in smart manufacturing systems, R&D in improving battery quality, the incorporation of AI and IoT in post-processing tools, and progress in automation and digital integration.

### Which Companies Are Currently Leading In The Lithium-Ion Cell Post Processing Equipment Market?

Major players in the Lithium-Ion Cell Post Processing Equipment Global Market Report 2025 include:

- Ruineng Shares Co. Ltd.
- Chroma ATE Inc.
- Qingtian Group Co. Ltd.
- BENNING Elektrotechnik und Elektronik GmbH & Co. KG
- Constant Wing Energy Co. Ltd.
- Maccor Inc.
- Arbin Instruments Inc.
- Hanchuan Intelligence Technology Co. Ltd.
- Kataoka Corporation
- Ningbo Beite Battery Co. Ltd.

### What Are The Main Trends, Positively Impacting The Growth Of Lithium-Ion Cell Post Processing Equipment Market?

Leading businesses in the lithium-ion cell post-processing equipment market are concentrating on creating cutting-edge automated solutions to improve cell efficiency, accuracy, and longevity.

They also aim to broaden their capabilities from prototype creation to mass-production by innovating in formation, testing, and data-driven process improvement. An example is Comau S.p.A., an automation solution firm from Italy, which in June 2024, displayed its new cell formation and testing methodologies at The Battery Show Europe 2024. This was a significant leap forward in enhancing Europe's indigenous battery manufacturing abilities. Their comprehensive solutions range from prototype to giga-scale production, with the goal of enhancing productivity, safety, and environmental sustainability. The technology automates essential battery formation cycles and conducts charging and discharging to guarantee maximum performance and life span. In addition to these, Comau presented its Racer-5 SE cleanroom robot and in.Grid data management platform, underlining automation, precision, and energy recycling.

Comparative Analysis Of Leading Lithium-Ion Cell Post Processing Equipment Market Segments  
The lithium-ion cell post processing equipment market covered in this report is segmented –

- 1) By Type: Formation Equipment, Capacity Dividing Equipment, Test Equipment, Other Types
- 2) By Cell Type: Cylindrical Cells, Prismatic Cells, Pouch Cells
- 3) By Application: 3C Consumer Battery, Energy Storage Battery, Power Battery

Subsegments:

- 1) By Formation Equipment: Single-Cell Formation Cyclers, Multi-Channel Or Multi-String Formation Cyclers, Programmable Charge Or Discharge Power Supplies, Formation Racks And Fixtures, Formation Aging Chambers Or Controlled-Environment Rooms, Formation Process Control And Data Acquisition Systems, In-Line Formation Monitoring
- 2) By Capacity Dividing Equipment: Capacity Grading Testers, Voltage Or Impedance-Based Sorting Systems, Automated Cell Sorting Or Binning Conveyors And Robots, Throughput Binning Controllers And Database Systems, Cell Matching And Pairing Systems
- 3) By Test Equipment: Cycle Life Or Charge-Discharge Testers, Internal Resistance Or ESR Testers, High-Precision Coulombic Efficiency Testers, Safety Test Systems, Environmental Or Thermal Shock Chambers For Testing, Pack Or BMS Functional Test Rigs, Automated Test Equipment (ATE) Handlers And Vision Inspection For Testing
- 4) By Other Types: Degassing Or Vacuum Drying Systems, Sealing Or Crimping Or Terminal Welding Equipment, Laser Marking Or Labeling Systems, Final Inspection And Optical Or Vision QA Systems, Cell Balancing Or Pre-Conditioning Stations, Module Or Pack Assembly And End-Of-Line Conveyor Systems

View the full lithium-ion cell post processing equipment market report:

<https://www.thebusinessresearchcompany.com/report/lithium-ion-cell-post-processing-equipment-global-market-report>

Which Regions Are Dominating The Lithium-Ion Cell Post Processing Equipment Market Landscape?

In 2024, North America took the lead as the biggest region in the global lithium-ion cell post-

processing equipment market. The report's 2025 forecast predicts how this market will evolve in the coming year. An examination of regions included North America, Asia-Pacific, Western Europe, Eastern Europe, South America, the Middle East, and Africa.

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