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Global EV Laser Cutting and Winding Machine Supply, Demand and Key Producers, 2026-2032

https://marketpublishers.com/r/G6FF91BD78C6EN.html
Date: April 2026
Pages: 119
Price: US$ 4,480.00 (Single User License)
ID: G6FF91BD78C6EN

Abstracts

The global EV Laser Cutting and Winding Machine market size is expected to reach $ 471 million by 2032, rising at a market growth of 3.2% CAGR during the forecast period (2026-2032).

In 2025, the global production of EV laser cutting and winding integrated machines reached 1,162 units, with an average price of approximately US$307,300 per unit. The global annual production capacity of EV laser cutting and winding integrated machines is approximately 1,500 units, with a gross profit margin of approximately 28.5%. EV laser cutting and winding integrated machines are integrated equipment specifically designed for the manufacturing of lithium-ion batteries for electric vehicles (EVs). They combine laser cutting technology with winding processes, enabling the completion of laser cutting of electrode sheets (including tab forming and slitting) and subsequent winding processes on a single machine. This achieves continuous and automated production from electrode raw materials to cell winding, offering advantages such as high precision, high efficiency, low burrs, and low dust. They are suitable for large-scale production of high-performance, high-safety EV lithium-ion battery cells. The upstream of EV laser cutting and winding integrated machines includes laser systems, automation and motion control, and winding/forming actuators; the midstream consists of EV laser cutting and winding integrated machine manufacturers; and the downstream applications are mainly in the energy storage, electronics, and new energy industries.

The EV laser cutting and winding integrated machine is currently in a market stage of 'accelerated penetration and structural differentiation': driven by the demand from new energy and metal processing, the integrated advantages of laser cutting and winding (forming/winding) processes can significantly improve production line cycle time, reduce handling and floor space, and lower overall manufacturing costs. Therefore, order

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growth is mainly concentrated in companies producing battery structural components, motor/transformer related parts, and high-precision winding products. At the same time, the market still faces significant differentiated competition: on the one hand, the stability of upstream lasers, motion control, and CNC software determines yield and maintenance costs, resulting in high technical barriers; on the other hand, different customers have significantly different requirements for material thickness, kerf quality, winding accuracy, and cycle time, making 'customized delivery capability' and 'project verification cycle' important factors in supplier selection. Overall, the market is shifting from single-machine sales to solution-based delivery, and manufacturers with system integration, process parameter refinement, and after-sales response capabilities are more likely to secure large-scale orders.

This report studies the global EV Laser Cutting and Winding Machine production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for EV Laser Cutting and Winding Machine and provides market size (US$ million) and Year-over-Year (YoY) Growth, considering 2025 as the base year. This report explores demand trends and competition, as well as details the characteristics of EV Laser Cutting and Winding Machine that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global EV Laser Cutting and Winding Machine total production and demand, 2021-2032, (Units)

Global EV Laser Cutting and Winding Machine total production value, 2021-2032, (USD Million)

Global EV Laser Cutting and Winding Machine production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (Units), (based on production site)

Global EV Laser Cutting and Winding Machine consumption by region & country, CAGR, 2021-2032 & (Units)

U.S. VS China: EV Laser Cutting and Winding Machine domestic production, consumption, key domestic manufacturers and share

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Global EV Laser Cutting and Winding Machine production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (Units)

Global EV Laser Cutting and Winding Machine production by Type, production, value, CAGR, 2021-2032, (USD Million) & (Units)

Global EV Laser Cutting and Winding Machine production by Application, production, value, CAGR, 2021-2032, (USD Million) & (Units)

This report profiles key players in the global EV Laser Cutting and Winding Machine market based on the following parameters - company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Lyric, Higrand Technology, Geesun Intelligent Technology, Yinghe Technology, Shenzhen Greensun Technology, Chengjie Intelligent Equipment, Lead Intelligent Equipment, Hymson, JRS, ZHONGYUDA, etc.

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

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World EV Laser Cutting and Winding Machine market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US$ Millions), volume (production, consumption) & (Units) and average price (US$/Unit) by manufacturer, by Type, and by Application. Data is given for the years 2021-2032 by year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the forecast year.

Global EV Laser Cutting and Winding Machine Market, By Region:

United States

China

Europe

Japan

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South Korea

ASEAN

India

Rest of World

Global EV Laser Cutting and Winding Machine Market, Segmentation by Type:

Double Station EV Laser Cutting and Winding Machine

Three-Station EV Laser Cutting and Winding Machine

Global EV Laser Cutting and Winding Machine Market, Segmentation by Winding Shape:

Square Winding Machine

Cylindrical Winding Machine

Global EV Laser Cutting and Winding Machine Market, Segmentation by Automation Level:

Fully Automatic

Semi-Automatic

Global EV Laser Cutting and Winding Machine Market, Segmentation by Application:

Energy Storage

Electronic

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New Energy

Others

Companies Profiled:

Lyric

Higrand Technology

Geesun Intelligent Technology

Yinghe Technology

Shenzhen Greensun Technology

Chengjie Intelligent Equipment

Lead Intelligent Equipment

Hymson

JRS

ZHONGYUDA

Han's Laser

NEWARE

Kason Technology

Key Questions Answered:

1. How big is the global EV Laser Cutting and Winding Machine market?
2. What is the demand of the global EV Laser Cutting and Winding Machine market?
3. What is the year over year growth of the global EV Laser Cutting and Winding Machine market?

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4. What is the production and production value of the global EV Laser Cutting and Winding Machine market?
5. Who are the key producers in the global EV Laser Cutting and Winding Machine market?
6. What are the growth factors driving the market demand?

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