

Global Lithium Battery Brushless Angle Grinder Market Growth 2026-2032

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Abstracts

The global Lithium Battery Brushless Angle Grinder market size is predicted to grow from US\$ 783 million in 2025 to US\$ 1135 million in 2032; it is expected to grow at a CAGR of 5.9% from 2026 to 2032.

Global production of lithium-ion battery brushless angle grinders is projected to reach 8 million units by 2025, with an average price of approximately \$100 per unit.

A lithium-ion battery brushless angle grinder is a portable power tool powered by a lithium-ion battery and driven by a brushless motor (BLDC) to rotate a high-speed grinding or cutting disc. It is used for cutting, grinding, and polishing materials such as metal, wood, and stone. Its core advantages lie in its cordless design, high efficiency, long lifespan, and low noise, making it widely used in metal processing, wood carving, stone polishing, and emergency rescue. The industry's gross profit margin is approximately 15-30%.

Upstream components include lithium-ion batteries (core power source), brushless motors (drive components), grinding/cutting discs (consumables), controllers (power management), and casing materials (high-strength plastics/aluminum alloys). The brushless motor and lithium battery account for over 50% of the cost, with technological advancements driving improvements in energy efficiency and lifespan. Downstream: Targeting construction companies, metal processing plants, auto repair shops, and DIY enthusiasts, the market exhibits both B2B customer (such as professional construction teams) and B2C consumer demand.

The main market drivers include:

Surge in demand for cordless and high-efficiency tools

Traditional corded angle grinders are limited by power cords, and fuel-powered angle grinders suffer from exhaust pollution and noise issues. Lithium-ion battery-powered brushless angle grinders, with their portability, environmental friendliness, and low maintenance costs, have become the mainstream choice for construction and repair applications.

Industrial upgrading and DIY culture driving widespread adoption

The automation transformation of manufacturing demands highly efficient and precise tools, and brushless motor technology meets the needs of high-intensity operations. Simultaneously, the widespread adoption of DIY tutorials on short video platforms has stimulated the purchasing enthusiasm of home users for portable grinding tools, leading to rapid expansion of the consumer market.

Technological iteration lowering the barrier to entry

Increased energy density of lithium-ion batteries (extended battery life), improved control precision of brushless motors (stable power output), and the application of intelligent safety systems (such as overload protection and anti-accidental touch design) significantly enhance operational safety and ease of use, further expanding application scenarios.

LP Information, Inc. (LPI) ' newest research report, the “Lithium Battery Brushless Angle Grinder Industry Forecast” looks at past sales and reviews total world Lithium Battery Brushless Angle Grinder sales in 2025, providing a comprehensive analysis by region and market sector of projected Lithium Battery Brushless Angle Grinder sales for 2026 through 2032. With Lithium Battery Brushless Angle Grinder sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world Lithium Battery Brushless Angle Grinder industry.

This Insight Report provides a comprehensive analysis of the global Lithium Battery Brushless Angle Grinder 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 Lithium Battery Brushless Angle Grinder portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global Lithium Battery Brushless Angle Grinder

market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Lithium Battery Brushless Angle Grinder 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 Lithium Battery Brushless Angle Grinder.

This report presents a comprehensive overview, market shares, and growth opportunities of Lithium Battery Brushless Angle Grinder market by product type, application, key manufacturers and key regions and countries.

Segmentation by Type:

Rechargeable

Non-rechargeable

Segmentation by Product Forms:

Handheld

Desktop

Segmentation by Technology:

12V

18V/20V

36V

Segmentation by Application:

Household Use

Commercial Use

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.

TTI

Stanley Black & Decker

Bosch

Makita

HiKOKI

Hilti

Snap-on Incorporated

Jiangsu Dongcheng

Festool

Quanfeng

C. & E. Fein

Emerson

Jiangsu Jinding Electric

Boste

Ruiqi

Zhejiang Broad

Chicago Pneumatic

Key Questions Addressed in this Report

What is the 10-year outlook for the global Lithium Battery Brushless Angle Grinder market?

What factors are driving Lithium Battery Brushless Angle Grinder market growth, globally and by region?

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

How do Lithium Battery Brushless Angle Grinder market opportunities vary by end market size?

How does Lithium Battery Brushless Angle Grinder break out by Type, by Application?

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