

# Global New Energy Vehicle Main Control Board Test Equipment Market Growth 2026-2032

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## Abstracts

The global New Energy Vehicle Main Control Board Test Equipment market size is predicted to grow from US\$ 104 million in 2025 to US\$ 166 million in 2032; it is expected to grow at a CAGR of 7.2% from 2026 to 2032.

New Energy Vehicle Main Control Board Test Equipment is professional testing equipment dedicated to the research and development as well as mass production of various vehicle-mounted main control circuit boards for new energy vehicles. It is mainly applied to core main boards such as VCU, BMS, MCU, BCM and vehicle domain controllers. Integrating electrical performance detection, signal communication verification, functional logic inspection, program burning, parameter calibration, safety voltage resistance test and aging monitoring, it can simulate the high and low voltage operating conditions and vehicle communication environment of complete vehicles to accurately detect circuit faults, component abnormalities and performance defects. Divided into manual jigs, semi-automatic models and fully automatic on-line production line systems, it is widely used in the research and development debugging, production quality inspection and factory final inspection of automotive electronics, serving as an essential key device to ensure the safety, stability and mass production yield of new energy vehicle electronic control main boards. The price range of this device is generally between 100000 and 500000 yuan per unit.

United States market for New Energy Vehicle Main Control Board Test Equipment is estimated to increase from US\$ million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

China market for New Energy Vehicle Main Control Board Test Equipment is estimated to increase from US\$ million in 2025 to US\$ million by 2032, at a CAGR of % from 2026

through 2032.

Europe market for New Energy Vehicle Main Control Board Test Equipment is estimated to increase from US\$ million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

Global key New Energy Vehicle Main Control Board Test Equipment players cover National Instruments, Shenzhen Qiangrui Precision Technology, CYG Yuntaili Automation Equipment, Beijing Jingwei Hirain Technologies, Shenzhen Yilai Tech, etc. In terms of revenue, the global two largest companies occupied for a share nearly % in 2025.

LP Information, Inc. (LPI) ' newest research report, the "New Energy Vehicle Main Control Board Test Equipment Industry Forecast" looks at past sales and reviews total world New Energy Vehicle Main Control Board Test Equipment sales in 2025, providing a comprehensive analysis by region and market sector of projected New Energy Vehicle Main Control Board Test Equipment sales for 2026 through 2032. With New Energy Vehicle Main Control Board Test Equipment sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world New Energy Vehicle Main Control Board Test Equipment industry.

This Insight Report provides a comprehensive analysis of the global New Energy Vehicle Main Control Board Test Equipment 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 New Energy Vehicle Main Control Board Test Equipment portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global New Energy Vehicle Main Control Board Test Equipment market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for New Energy Vehicle Main Control Board Test Equipment 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 New Energy Vehicle Main Control Board Test Equipment.

This report presents a comprehensive overview, market shares, and growth

opportunities of New Energy Vehicle Main Control Board Test Equipment market by product type, application, key manufacturers and key regions and countries.

Segmentation by Type:

Electric Drive Controller Testing Equipment

Vehicle Controller Testing Equipment

BMS Controller Testing Equipment

Other Controller Testing Equipment

Segmentation by Function:

Motherboard Function Test

Aging Test

Safety Compliance Testing

Segmentation by Automation:

Semi Automatic Testing Equipment

Fully Automatic Testing Equipment

Segmentation by Application:

R&D Laboratory

After Sales Maintenance and Testing

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

National Instruments

Shenzhen Qiangrui Precision Technology

CYG Yuntaili Automation Equipment

Beijing Jingwei Hirain Technologies

Shenzhen Yilai Tech

Jiaxing Xinbai Electronic Technology

Shenzhen Kingcable Automation Testing

Chroma ATE

Jiaxing Beyond Electronic Technology

Qingdao YIDI Electronics

Key Questions Addressed in this Report

What is the 10-year outlook for the global New Energy Vehicle Main Control Board Test

Equipment market?

What factors are driving New Energy Vehicle Main Control Board Test Equipment market growth, globally and by region?

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

How do New Energy Vehicle Main Control Board Test Equipment market opportunities vary by end market size?

How does New Energy Vehicle Main Control Board Test Equipment break out by Type, by Application?

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