

Global New Energy Vehicle Main Control Board Function Test Equipment Supply, Demand and Key Producers, 2026-2032

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Abstracts

The global New Energy Vehicle Main Control Board Function Test Equipment market size is expected to reach \$ 170 million by 2032, rising at a market growth of 6.8% CAGR during the forecast period (2026-2032).

New Energy Vehicle Main Control Board Function 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.

This report studies the global New Energy Vehicle Main Control Board Function Test Equipment production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for New Energy Vehicle Main Control Board Function Test Equipment 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 New Energy Vehicle Main Control Board Function Test Equipment that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global New Energy Vehicle Main Control Board Function Test Equipment total production and demand, 2021-2032, (Units)

Global New Energy Vehicle Main Control Board Function Test Equipment total production value, 2021-2032, (USD Million)

Global New Energy Vehicle Main Control Board Function Test Equipment production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (Units), (based on production site)

Global New Energy Vehicle Main Control Board Function Test Equipment consumption by region & country, CAGR, 2021-2032 & (Units)

U.S. VS China: New Energy Vehicle Main Control Board Function Test Equipment domestic production, consumption, key domestic manufacturers and share

Global New Energy Vehicle Main Control Board Function Test Equipment production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (Units)

Global New Energy Vehicle Main Control Board Function Test Equipment production by Type, production, value, CAGR, 2021-2032, (USD Million) & (Units)

Global New Energy Vehicle Main Control Board Function Test Equipment production by Application, production, value, CAGR, 2021-2032, (USD Million) & (Units)

This report profiles key players in the global New Energy Vehicle Main Control Board Function Test Equipment 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 National Instruments, Shenzhen Qiangrui Precision Technology, CYG Yuntaili Automation Equipment, Beijing Jingwei Hirain Technologies, Shenzhen Yilai Tech, Jiaying Xinbai Electronic Technology, Shenzhen Kingcable Automation Testing, Chroma ATE, Jiaying Beyond Electronic Technology, Qingdao YIDI Electronics, 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 New Energy Vehicle Main Control Board Function Test

Equipment 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 New Energy Vehicle Main Control Board Function Test Equipment Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global New Energy Vehicle Main Control Board Function Test Equipment Market, Segmentation by Type:

Electric Drive Controller Testing Equipment

Vehicle Controller Testing Equipment

BMS Controller Testing Equipment

Other Controller Testing Equipment

Global New Energy Vehicle Main Control Board Function Test Equipment Market,
Segmentation by Function:

Motherboard Function Test

Aging Test

Safety Compliance Testing

Global New Energy Vehicle Main Control Board Function Test Equipment Market,
Segmentation by Automation:

Semi Automatic Testing Equipment

Fully Automatic Testing Equipment

Global New Energy Vehicle Main Control Board Function Test Equipment Market,
Segmentation by Application:

R&D Laboratory

After Sales Maintenance and Testing

Others

Companies Profiled:

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 Answered:

1. How big is the global New Energy Vehicle Main Control Board Function Test Equipment market?
2. What is the demand of the global New Energy Vehicle Main Control Board Function Test Equipment market?
3. What is the year over year growth of the global New Energy Vehicle Main Control Board Function Test Equipment market?
4. What is the production and production value of the global New Energy Vehicle Main Control Board Function Test Equipment market?
5. Who are the key producers in the global New Energy Vehicle Main Control Board Function Test Equipment market?
6. What are the growth factors driving the market demand?

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