



EV Components Business Group

Striving to strengthen our business foundation through effective utilization of assets and technological superiority

Executive Vice President & Executive Officer,  
Strategic Group Leader, EV  
Components Business Group

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\* EV Components Business Group figures are included in those of the Mobility & Electrical Components Business Group.

Results and Challenges in the Previous Medium-Term Management Plan

Results

- ▶ Expanded number of models with our products thanks to growing orders for Japanese automakers
- ▶ Launched an integrated motor-inverter unit to the market
- ▶ Established new domestic and overseas production bases (Nagoya, China)

Challenges

- ▶ Obtaining stable orders for rear motors, small e-Axles, etc., and normalizing production
- ▶ Expanding product offerings and shortening development sprints by developing customer spec-driven derivative models from standard models
- ▶ Improving quality by strengthening project management and increasing productivity through predictive maintenance of facilities and inventory optimization

Opportunities

- Rising environmental awareness, regulations in various countries
- Creating a new supply chain following automaker reorganization
- Growing needs for 4WD electric vehicles and compact electric vehicles
- Advancing investments in charger infrastructure and other initiatives to accelerate popularization

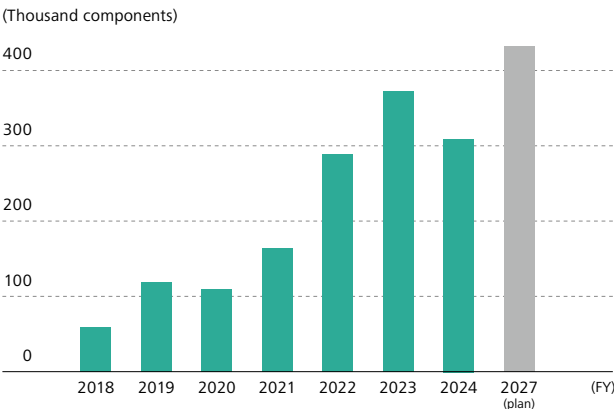
Risks

- Increasing commoditization in the electric powertrain sector
- Shifting balance of market share in global automotive competition
- Supply chain disruption due to tightening of tariffs in the U.S. and other countries
- Decreasing sales volume of vehicles equipped with Meidensha products

Strengths

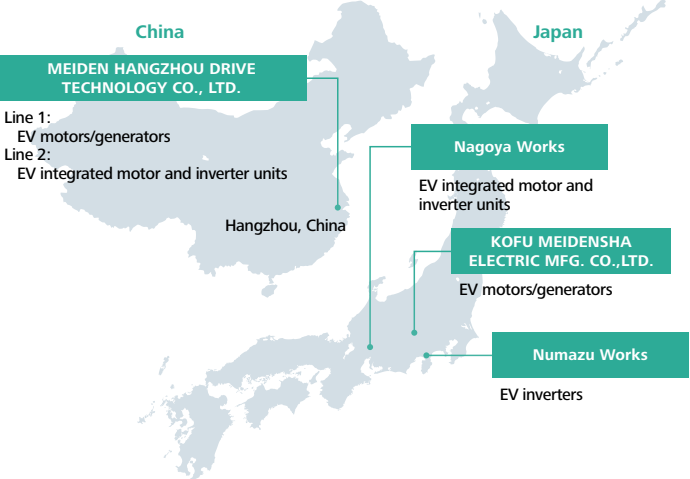
- Flexible production lines differentiating in quality, cost, and delivery (QCD) and a proven track record as a pioneer of EV drive units for mass production
- Control technology and design development capabilities, including motor and inverter software
- Balance of customization to meet customer specifications with mass-production benefits

Sales of EV Drive Components



\*Figures calculated based on the number of automobiles.

Items Produced at Each Base



Growth Strategies in Medium-term Management Plan 2027

Q (Quality)

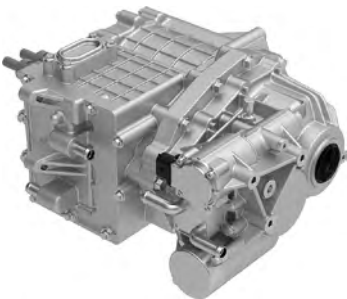
Quality assurance for the entire supply chain, strengthening project management from design to production

C (Cost)

Introducing integrated mechanical and electrical equipment with variable cost reduction of 30% and other cost reduction activities in design and manufacturing

D (Delivery [Supply/Production])

Improving equipment productivity through predictive maintenance, improving material productivity through inventory optimization, etc.



Ultra-compact e-Axle concept model

Growth Strategy 1

Developing Derivative Models from Standard Models (Shift to Proposal-based Sales)

While leveraging our strength of flexibly adapting to customer specifications, we will continue to shift to a proposal-based sales approach that proactively proposes optimized performance and cost to customers. Specifically, we will develop a standard model for each output band, creating more compact models through higher rotation speeds in integrated mechanical and electrical equipment. These standard models will then become the basis for newly-developed derivative models such as those specialized for greater efficiency or greater cost. This will enable us to offer a wider range of product proposals, improve our ability to respond to customer needs, and shorten delivery times by enabling development harnessing standard models.

Resolving Materiality Through Business Strategy

Realization of a carbon-neutral society

- 1 Expanding sales of BEV/PHEV products that do not emit CO<sub>2</sub> while driving

FY2024 results

Realization of a safe, secure, and convenient society

- 2 Exploring expanded product applications in non-EV mobility fields as a long-term goal

Action in MTMP 2027

Upgrading value provision

- 3 Developing derivative models from standard models (shift to proposal-based sales)

Action in MTMP 2027

TOPICS

World's First Motor Drive via SiC Power Module with a Built-in SiC CMOS Drive Circuit

In joint development with the National Institute of Advanced Industrial Science and Technology (AIST), Meidensha has jointly developed the world's first motor drive using a silicon carbide complementary metal-oxide semiconductor (SiC CMOS) power module. Though conventional SiC power devices already offer high energy-saving performance, they pose the risk of malfunction due to noise. Therefore, they have only been used in extremely slow switching operations and have not been able

to demonstrate their full potential.

The newly-developed drive method replaces SiC power modules with SiC CMOS power modules, unlocking high-speed switching with reduced noise, thereby reducing energy loss to approximately one-tenth of previous levels. With this technology, we aim to improve the efficiency and competitiveness of EV drive motors and industrial motors.