

G-TEKT's technological evolution

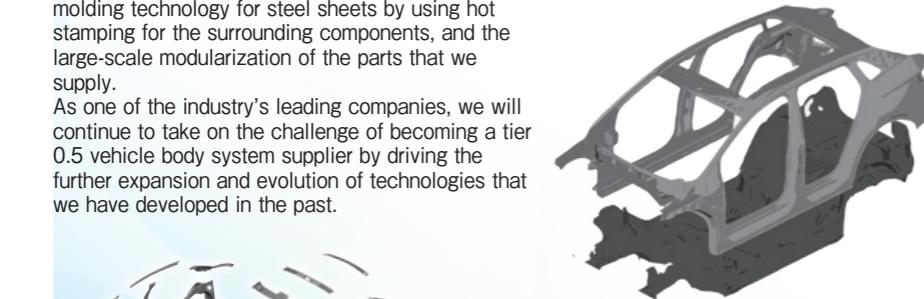
With the automobile market going through a period of major transformation to electric vehicles (BEV), we are driving the further expansion and evolution of technologies that we have developed in the past, in order to build systems that can deal with a wide range of products, and achieve sustainable growth in the business.

To enable the Company to evolve from a parts supplier that proposes individual components to a vehicle body supplier that is even more trusted as a business partner by automotive OEMs, we have established integral molding, hot stamping, and whole-vehicle body analysis technology.

Having focused on the shift to BEV, we have completed development of the battery housing, which is specific to such vehicles, and have established production technology for the motor cores that are an essential component of BEVs.

Furthermore, in response to the gigacasting approach that is being considered also by Japanese OEMs, we are proactively engaging in proposal activities aimed at achieving the reduction of the parts count through the integral molding technology for steel sheets by using hot stamping for the surrounding components, and the large-scale modularization of the parts that we supply.

As one of the industry's leading companies, we will continue to take on the challenge of becoming a tier 0.5 vehicle body system supplier by driving the further expansion and evolution of technologies that we have developed in the past.



Completed

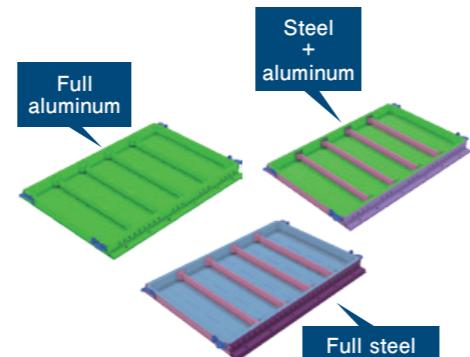
Whole-vehicle body proposal
Evolution of analysis technology capabilities

- Integral molding
- Hot stamping
- Joining technology

Completed

Parts proposals

- Weight saving using high-rigidity materials



Completed (concept)

Development of optimal battery housing
Steel/aluminum/hybrid

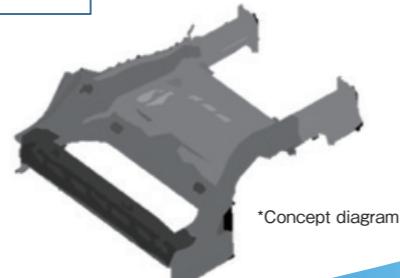
Acceleration of technological development

Completed (demonstration line)

Development of motor parts

Proposals submitted

Large integral molding module



*Concept diagram

Optimized EV body + motor parts



Electrification

Future prospects: the environment

- Build highly efficient production systems that are safer and more environmentally friendly, as well as production lines on which young and old, men and women, and veteran and new employees can all work easily
- Establish a workplace environment in which everybody can work comfortably
- Adopt/develop processing technology for sustainable materials



Artist's impression of the Chubu Plant (scheduled to begin operation in October 2024)



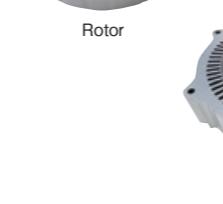
"Everybody Line" (Tochigi Plant)

Future prospects: the shift to EVs

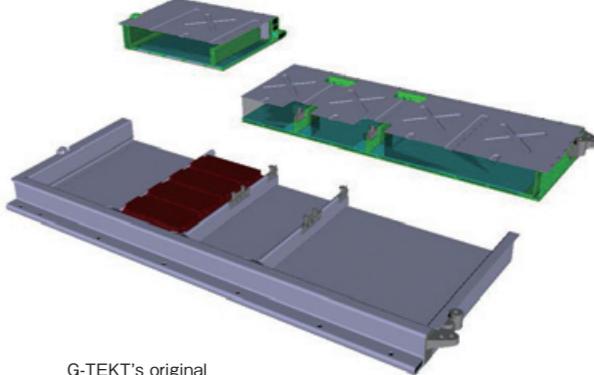
- Promote the development of and proposals for platforms suitable for EVs
- Commercialize motor parts by leveraging the strengths we have cultivated
- Evolve highly advanced production technology required for electrification, while further improving reliability



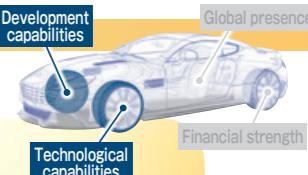
Assembly processing



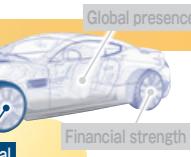
Rotor assembly



G-TEKT's original battery housing demonstrator



Aiming to become a tier 0.5 vehicle body system supplier



Global presence
Technological capabilities
Financial strength