

Shape a better future for people, automobiles, and the environment

Our main product, body frame components, is called body in white. It is located under the exterior panel and can be hard to see from the outside. However, body in white plays an important, core role in supporting all automobile components.

We will continue to support automobile manufacturing worldwide with products that exceed customer expectations in areas like reduced weight, strength, and rigidity.

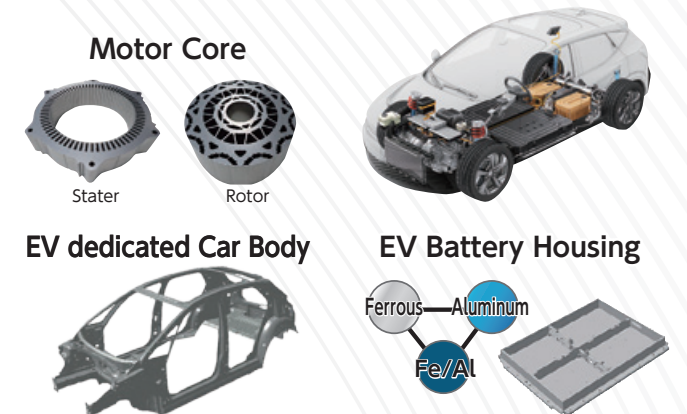
Body in white is said to account for approximately 30 to 40% of the vehicle weight. Thus, weight reduction is needed to contribute to improved vehicle fuel efficiency. However, high strength and rigidity are important elements in achieving crash safety performance in order to protect passengers by being resistant to breakage. They are also important in achieving high performance that demonstrates vehicle handling stability and ride comfort by resisting deformation. In order to meet increasingly strict crash regulations and reduce weight at a higher dimension in recent years, we have mass-produced high-quality products using high-tensile steel sheets, hot stamping, and our expertise in press and assembly technologies for aluminum materials that are difficult to process. As a reliable partner to our customers, we are continuing to create innovative products for the world by utilizing structure analysis technology that can simulate crash tests not only on our own components, but on the entire vehicle body.

G-TEKT will continue to be a company that leads and contributes to a mobility society while creating the future for people, automobiles, and the environment.



Establishment of EV-related business

Global climate change has led to stricter environmental regulations and other measures in every country. The shift to EVs will continue going forward. In response to this shift, G-TEKT will not only take on body frame components, but also EV-related products in order to shape the future for people, automobiles, and the environment. EVs require body frames that have reduced weight and increased rigidity to protect passengers and batteries as well as extend cruising range. We propose optimal body structures for EVs using highly accurate crash simulations, develop production technologies for these structures, and even conduct mass production. We will also take on the challenge of producing battery housings, motor cores, and other EV-related products that can be flexibly combined with steel and aluminum and accommodate various sizes.



Technology



Press

We mold materials such as cold and hot materials, high-tensile steel sheets, and aluminum materials. We also design and manufacture the dies necessary for pressing in-house.



Welding Assembly

We possess spot welding and other welding technologies, and are involved in assembly lines from planning to construction.

G-TEKT's Genba

The heart of manufacturing is production sites. We have explored better production methods over the course of our production activities, bringing together sites and technology to cultivate our technical capabilities. We will continue to refine our manufacturing, from solving minor issues at sites to creating highly efficient production sites through the introduction of innovative technologies.



Quality Assurance

We have acquired international standard certification (IATF16949) for quality management systems specific to the automotive industry in order to ensure the quality demanded by our customers and achieve environmentally-friendly business operations, establishing a system that is accepted worldwide. This contributes to quality assurance in production activities. We also monitor the quality status of all sites in real time, promoting initiatives based on predictive prevention.



Product Design

We are involved in product design, participating as guest engineers from the design stage of automobile manufacturers. We are able to respond to a variety of requests based on our structure analysis technology on the entire vehicle body that rivals the technology of automobile manufacturers. We propose the creation of products that are easier to mass produce by being involved from the design stage. In addition, our global sales and engineering structure enables us to instantly understand customer needs and propose the most appropriate technologies.

