

#### **G-TEKT CORPORATION**



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**G-TEKT CORPORATION** 



### COMPANY PROFILE



# Shape the Future

#### **G-TEKT** Philosophy



ode of Conduct

> Provide high-quality, low-cost products using cutting-edge technologies Be independent and use knowledge and agility to give back to society

Vision

Shape a better future for people, automobiles, and the

Top Message

## Challenge and Growth

G-TEKT supports the creation of safe and environmentally friendly automobiles.

We will foresee trends and always take on challenges with an aggressive stance in order to continue growing in the automotive market, which is in a period of major transformation.

President, Chief Executive Officer

Naohiro Takao



## 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.

#### 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.



#### 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.





EV dedicated Car Body





#### 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.





G-TEKT's two predecessor companies, KIKUCHI CO., LTD. and TAKAO KINZOKU KOGYO CO., LTD., were born as small workshops in Mitaka City, Tokyo and Tanabe City, Wakayama Prefecture, respectively. Both companies expanded their businesses in response to the trend of motorization in Japan. In the 1980s, they began production in North America, their first expansion overseas. Since then, each company has aggressively taken on challenges worldwide. In 2011, they began a new history as G-TEKT CORPORATION, and are continuing to evolve even further.



FY 2030 50% reduction \*Compared to FY 2013 FY 2040 100% reduction \*Compared to FY 2013 (Scope1+Scope2+Scope3) FY 2050 Virtually zero emissions



#### Number of locations



Number of Employees (Consolidated) about 10,00

## **Average Working Years** (Japan)

#### **Major business partners**

Honda Motor Co., Ltd. Toyota Motor Corporation SUBARU Corporation Mazda Motor Corporation Nissan Motor Co., Ltd. Suzuki Motor Corporation Jatco Ltd. Jaguar Land Rover Limited BMW



#### "G-TEKT's HIROBA", an innovative workplace, where each one of us shines and makes dreams come true.





Our goal is to make the sustainable society and improve corporate value through business activities for the better future for people, automobiles and the environment

Initiatives to Protect the Environment (Introduction of Renewable Energy, Installed solar panels, etc.)





Quality inspections are conducted by camera to enhance reliability.

Initiatives with Local Communities (Social contribution activities, Original Initiatives, etc.)





Site tour for elementary school students (Japan)

CPAP (ventilator) production (U.K.)



Initiatives to Create a Safe and Comfortable Workplace (Installation of unmanned lines, automation of product loading and quality inspections, etc.)



Robots are partially responsible for loading operations.



Tree-planting activities (India)