G-TEKT CORPORATION

http://www.g-tekt.jp







CORPORATE PROFILE

Technology for the world, and for the future.

G-TEKT CORPORATION

Striving to Be a Global Leader

Since its founding in April 2011, G-TEKT has been striving to meet the expectations of all our stakeholders under our management vision of aiming to be a leading global auto body frame component manufacturer.

Hereafter, the business environment surrounding G-TEKT is expected to become increasingly challenging. In order to achieve sustainable growth over the long term in such a climate, we believe that innovation in "core" fields that will further advance the four areas of "Genba: work floor," "Global," "Grow up," and "Green: environment, safety and social contribution" is necessary. Specifically, we will strive to enhance our corporate value and create a system benefitting a global leader by not only making conventional technical improvement, but also bringing in areas of sales and human resources to this innovation.

G-TEKT will continue to move resolutely forward on our path to become a global leader and make every effort to meet the expectations of all our stakeholders as a responsible company that plays a significant part of the automobile industry.



Naohiro Takao President / President & Corporate Officer



G-TEKT Philosophy

Corporate Policies Code of Conduct

Management Principles

To commit to self-development with mutual trust and affection Respect Human Dignity To pursue cutting-edge technology and offer the best product quality at a competitive and affordable price Technological Innovation Sound Management To contribute to society self-initiatedly with intelligence and dexterity

- To become a company that contributes to a low-carbon society by integrating cutting-Management Vision edge technology with high quality product at an affordable price, while serving customers around the globe to their fullest satisfaction.
- "To aim to be a global leading expert manufacturer of parts for automotive body and Management Objectives transmission by pursuing the cutting edge technology which conforms strictly to safety and environmental requirements."

Company Name	G-TEKT CORPORATION
Founded	April 1, 1947
Established	November 4, 1953
Capital	4,656,227,715 yen
Representative	Naohiro Takao, President / President & Corp
Lines of Business	Manufacturing and sales of auto body co sales of stamping dies, welding equipmer
Number of Employees	7,751 (Consolidated) 1,206 (Japan) (as of

mponents and transmission parts, manufacturing and nt, etc.

September 30, 2015)

Production Sites in Japan

In addition to our four Japanese plants, which specialize in high quality – high efficiency production – our global manufacturing is led by other sites with their own unique technologies, offering technical research and development, verification testing, and more. Our system offers support for the varied needs of our customers across the globe.

Saitama Plant

Manufacturing of auto body components 2909-7 Shirakusadai, Fukaya-shi, Saitama 369-1106, Japan





Tochigi Plant

Manufacturing of heavy gauge precision stamp parts / Product design 4814 Suganosawa, Washijuku, Sakura-shi, Tochigi 329-1411, Japan





Gunma Plant

Manufacturing of auto body components / Design and production of stamping dies 470-9 Kamitajima-cho, Ota-shi, Gunma 373-0044, Japan





Shiga Plant

Manufacturing of auto body components / Design, manufacturing and sales of stamping dies and welding equipment

41 Otsu, Minamitsuchiyama, Tsuchiyama-cho, Koka-shi, Shiga 528-0212, Japan







Headquarters Operations

Omiya JP Building 18F 1-11-20, Sakuragi-cho, Omiya-ku, Saitama-shi, Saitama 330-0854, Japan





Hamura Office

Engineering 4-8-41 Shinmeidai, Hamura-shi, Tokyo 205-0023, Japan





C&C Tochigi

Product development / Sales 2021-13 Houshakuji, Takanezawa-machi, Shioya-gun, Tochigi 329-1233, Japan





Hamura Plant

Manufacturing of auto body components 4-8-1 Shinmeidai, Hamura-shi, Tokyo 205-0023, Japan





Global Network of 20 Sites in 11 Countries

The overseas market is greatly expanding, led by the rapid growth of emerging economies. Together with automobile manufacturers, G-TEKT is advancing global production systems.









G-ONE AUTO PARTS DE MEXICO S.A DE C.V. (G-ONE) Guanajuato, Mexico (Established: March 2012) Manufacturing of auto body components



G-TEKT Europe Manufacturing Ltd. (G-TEM) Gloucester, U.K. (Established: January 1997) Manufacturing of auto body components



Raiasthan India





G-TEKT Eastern Co., Ltd. (G-TEC) Rayong, Thailand (Established: May 1996) Manufacturing of auto body components / Manufacturing of stamping dies



Auto Parts Alliance (China) Ltd. (APAC) Guangdong, China (Established: October 2001) Manufacturing of auto body components Manufacturing of stamping dies



16



Bavaria, Germany G-TEKT (Deutschland) GmbH. (G-TED) Established June 2015 Information gathering and sales support

6



Our Auto Body Frame Components which Support Automobile Manufacturers

Using cutting-edge large-scale transfer presses and various welding robots, we manufacture highly efficient, high-quality auto body frame components. We continue to lead the industry with our advanced technologies.

Auto Body Components



Press Processing

We have introduced state-of-the-art transfer press machines and coil press lines. In addition, we manufacture press dies for our main components in-house, making highly efficient, high-quality stamped product manufacturing possible.



Hot stamping technology

Hot stamping is the process of hardening materials by press-molding a steel plate heated to a high temperature and cooling it quickly in a mold to create products with high strength. To manufacture a lightweight and highly rigid body, hot stamping is a crucial technique together with the utilization of super high-tension materials. In the past, hot stamping used to be a high-cost technique considered unsuitable for mass production due to its low processing speed and the difficulty in welding the hardened product. However, through the simultaneous processing of four components, it has become possible to process materials at twice the speed of conventional techniques. In addition, through the water cooling mold technique that controls the water temperature, water flowing position, and flow rate during press molding, molding can be completed in only a few seconds, thus significantly increasing productivity.



Weld Processing

Various parts made in the press process are assembled into auto frame components. All lines are synchronized with our customers' production lines. Thus, we manufacture a variety of products on a timely basis to satisfy our customers' needs.





Heavy Gauge Precision Stamp Parts for Thickness-Increasing, Precision, and Rolling Processing

Thanks to our unique processing technologies, we are capable of thickness-increasing processing and 1/100 millimeter precision processing, which have been difficult to achieve with conventional press processing. We use our advanced manufacturing technologies to create transmission parts.

Transmission Parts



Our products are used in the newly developed "Lineartronic", a chain-driven continuously variable transmission (CVT) that a chieves excellent fuel efficiency. Manufactured using expertise we cultivated over the years, our products greatly contribute to comfortable driving, enhanced fuel efficiency, and a smooth ride.

Lineup of principal transmission parts



Precision Processing

Our unique thickness-increasing, precision and rolling processing realized by making full use of various forging presses and servo transfer presses has achieved thickness-increasing processing and 1/100 millimeter precision processing, which have been difficult to achieve with conventional press processing. We have also achieved significant reductions in machining compared to conventional processing. Precision parts, such as automobile transmission parts are created with advanced manufacturing technologies which enable production of precisionassured product lines on our unique, advanced, fully automated cutting process line.



Machine processing facilities



Thickness-increasing Processing

Simulation and press processing technologies are fully utilized to increase sheet thickness of materials. These thicknessincreasing processing technologies greatly contribute to enhancement of flexibility of product design and also realize cost reduction by minimizing cutting and enhanced part strengths by strain hardening. Leveraging accumulated experience and know-how cultivated so far, we serve customers' needs in every phase from development to mass production.



Engineering

We use simulations to design and manufacture press dies in-house as optimum dies for the production of auto body frame components. Moreover, we use three-dimensional measuring instruments for thorough accuracy management of dies composed of multiple complex curved surfaces. We also plan, propose, and construct highly efficient production lines that meet a wide range of customer needs.

Design, Development, and Manufacturing of Dies

Press die

We design press dies using our proprietary simulation technology. High-performance NC machines, large-scale tri-press machines, high-performance measuring instruments, and other equipment are used to develop highaccuracy dies.

Die design

Press die formation simulation





As auto body frame components feature complex shapes, they are formed step by step from flat steel by using multiple press processes. Performing press die formation simulations in advance makes it possible to develop new products more rapidly and assist with the creation of dies that produce high-quality products and develop optimal processing methods.

NC processing machine











Non-contact three-dimensional measuring instrument



Design and Manufacturing of Weld Assembly and Automation Equipment

Our lines are synchronized with our customers' production lines, and can flexibly adapt to accommodate fluctuations in production. We also develop and promote a range of welding equipment for increasing production efficiency.

Robot simulation



Specialized Equipment

We help customers renovate their production systems through development of various types of equipment, and planning, making proposals, and construction of highly efficient production lines. By bringing robots' operational potential into full play, utilizing user-specific know-how, we offer production equipment with greater efficiency at lower cost that reduces the operator burden for a wide range of customers mainly in the automotive industry in Japan and abroad. Our originality and innovativeness are highly regarded by our customers.

RR MBR line





11

Various parts produced through the press process are assembled on welding robot lines into frame components, such as pillars of automobiles and other products used in the cabin. Our simulation technologies are also fully utilized for these welding processes from the initial planning stages. These simulations make it possible to design optimal lines that offer highly efficient production of high-quality products. They also reduce welding line construction times, enabling rapid response to continually changing market needs.



Welding line

New technology development for manpower saving on welding lines



Environmental Activities

The Company's goal is to decrease its impact on the environment, engaging in environmentally balanced business activities.

Environmental Philosophy

The Company places the highest priority on the conservation of the global environment and local environments. As a member of the society responsible for passing on the green Earth to the next generation, it shall strive to both engage in environmentally considerate business activities and help conserve the global environment under the slogan, "The Earth is our shared resource."

Environmental Policies

As a dedicated automotive body frame component manufacturer, the Company shall promote environmental management activities through the united efforts of all employees to minimize the environmental impact of its business activities, products and services.

- 1 The Company shall assess the environmental impact of all its business activities and actively work on environmental conservation.
- 2 The Company shall recognize the importance of continuously improving the environment and preventing environmental pollution and shall actively commit itself to protecting the environment.
- 3 The Company shall comply with related environmental laws and regulations and other requirements and establish its own management standards to prevent environmental pollution.
- The Company shall define purposes and set goals for its environmental protection activities and shall reduce its environmental burden and conduct business in harmony with the environment.
- 5 The Company shall ensure all employees are aware of and understand its environmental policy by posting copies of the policy arguing the Company is the reliance of the policy arguing the Company is the reliance of the policy arguing the Company is the reliance of the policy arguing the Company is the reliance of the policy arguing the Company is the reliance of the policy arguing the Company is the reliance of the policy arguing the Company is the reliance of the policy arguing the Company is the reliance of the policy arguing the Company is the reliance of the policy arguing the Company is the reliance of the policy arguing the company is the reliance of the policy arguing the company is the reliance of the policy arguing t the policy around the Company's sites and providing them with environmental education.
- 6 The Company shall publish and make its environmental policy available to the general public. The Company shall conduct activities aimed at achieving a deeper level of communication with the community and society at large and actively cooperate in community- or society-based environmental conservation activities.



Photovoltaic Power Generation Facility

As part of social contribution activities, we have introduced photovoltaic power generation systems at Saitama Plant, Gunma Plant, and Shiga Plant to supply electricity from renewable energy. Total installed capacity is 3,167 kW and the CO₂ emission reduction impact is approximately 1,116 tons a year. As an enterprise contributing to the global environment, we will continue to take initiatives to reduce our environmental burden worldwide so that we can bring smiles to the faces of future generations of children.

People-Friendly, Comfortable Work Environments and Ample Employee Benefits



The company cafeteria supports employee health (Saitama Plant)





and communicate (Shiga Plant)













Employees take part in an ekiden relay race Union activities (ice and snow gathering)

Training and education