Product Lineup

Miyake Forging's products, with a focus on universal bearing components for automotive applications, play an active role in a wide range of scenes.

Universal Bearing Components

We produce a wide variety of products, starting with the most commonly used ball bearings, to ensure the smooth operation of all types of machinery and equipment.



Production Product Names Ball Bearings／Mission Bearings／Clutch Bearings／Hub Bearings／Tension Bearings／Taper Bearings／Needle Bearings and more

Automotive Components

Many bearings are used in automobiles, supplying various products such as cages and drivetrain components used in constant velocity joints.


Product Names in Production:
Steering Components／Brake Components／CVT (Continuously Variable Transmission) Components ／Constant Velocity Joint Components

Other Components

We continue to play an active role in the daily operation of various products around us, contributing to the advancement of machinery,energy efficiency, and overall performance.

Product Names in Production:
Two-Wheeler Components／Piping Components／Shaft Components

Technology development

Actively introducing state-of-the-art facilities
Building an effective and efficient design system

As our company is engaged in manufacturing, precise computer-aided design is essential for the development of complex and high-quality products.

We have adopted the Computer-Aided Engineering (CAE) analysis software "DEFORM" in our design process, enabling advanced simulations for the development of products and molds without the need for actual processing.

By addressing issues and challenges during the simulation phase, we can conduct rapid prototyping of actual products in a short period. This approach allows us to achieve a smooth and higher-quality product development process.

Furthermore, we have introduced 3D printers capable of representing various shapes with gypsum three-dimensional objects when given 3DCAD data. Additionally, 3D scanners have been implemented to provide a detailed understanding of the drawings through three-dimensional measurements.

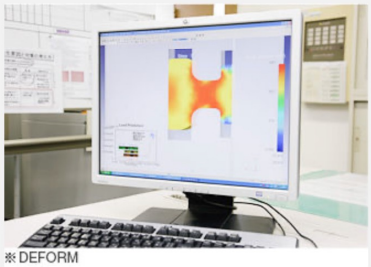
In particular, the 3D scanner allows for the accumulation of drawing data, contributing to the establishment of technical know-how and serving as the foundation for new mold and technology development.

Such state-of-the-art facilities play a crucial role in optimizing technology development, accumulating technical know-how, and contributing to various scenes in research and development.

Furthermore, our company is committed to nurturing engineers with the specialized knowledge and expertise required to leverage such advanced hardware and software effectively.

The enrichment of human resources in the field of development not only strengthens the foundation of our management but also positions us to devote even more effort to meet the challenges of increasingly complex products in the future.

In recent years, we have begun initiatives to incorporate automation leveraging IT technology not only in the development of production technology but also to achieve "easier and more efficient" production methods.



※DEFORM

*Comprehensive Processing Simulation "DEFORM" (Manufactured by SFTC, USA)

This CAE (Computer-Aided Engineering) software, "DEFORM," utilizes cutting-edge numerical computation technology to simulate various processing phenomena on a computer. It includes metal material flow, tool loading conditions, deformation due to heat treatment, and predictions of chip formation during cutting.

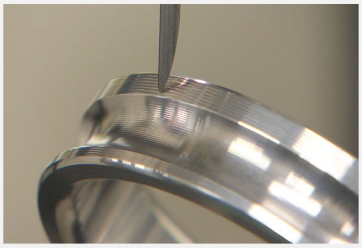
Miyake Quality

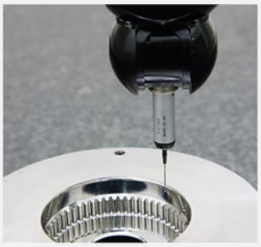
Initiatives to supply high-quality products unique to Japanese companies to the world.

In our company, we have manufacturing technology departments at both the headquarters and the Shiga factory. We focus on establishing a production environment through the design of infrastructure, facility investments, and maintenance management that adapts to product development and mass production systems.

Within the factory, we have established a system where quality standards are set at each stage of the process. This involves implementing a "Plan-Do-Check-Action" management cycle, constantly elevating the capabilities of the production floor.

Furthermore, to ensure the delivery of products with reliable quality, we have established a dedicated quality management department. This department oversees whether the products are being produced in accordance with customer requirements.





In the realm of quality management, skilled technicians with various certifications utilize a range of inspection equipment such as 3D measuring devices, shape measurement machines, hub inspection machines, hardness testing machines, and projectors. They meticulously inspect products using these various inspection tools.

Through rigorous quality control and process management, only products that have undergone these measures are supplied to our customers.