



Processing Process

Miyake boasts a globally acclaimed efficient and safe production line.

At the global level, we achieve mass production through world-class technology and a comprehensive manufacturing system.

Head Factory

Our Head Factory boasts a well-equipped facility capable of accommodating mass production. In the forging plant, processing is carried out using hot forging formers tailored to the product size. The products undergo a consistency manufacturing process through heat treatment, CR (Cold Rolling) plant, and turning plant before reaching the final product stage.

Production of Complex and High-Precision Products

Shiga Factory

At Shiga Factory, which houses both hot and cold forging facilities, we specialize in manufacturing intricate and high-precision products more than. Generally often prioritize either become the main axis hot or cold forging, our company optimizes the production system to accommodate the specific needs of our customers, such as significant cost and lead time reduction through composite processing, ensuring flexibility to meet detailed customer requirements.



①Mold Design and Fabrication

Designing and Fabricating Molds for Commissioned Products. Supplying Production Molds to Each Stage of the Process.



②Hot Forging

Using forging machines to shape components. Miyake's core process, utilizing heaters to heat rod-shaped materials and performing shaping operations within the machinery in a single step during hot forging.



③Heat Treatment and Shot Peening

To facilitate further processing in subsequent stages, heat treatment is performed in annealing furnaces, and shot pellets are shot to remove oxide coatings.



④Cold (High-Pressure) Rolling

A second key process for Miyake, contributing to cost reduction and energy savings by reducing scrap through the large-scale rolling of small products using rollers.



⑤Cold Forging (Shiga Factory Only)

Conducting plastic processing through vertical presses, this stage excels in the manufacturing of intricate shapes, meeting the increasing demand for precision manufacturing.



⑥Turning (Cutting and Grinding)

The final stage where the material is rotated and cut to finish the product. The surface is shaved and polished using cutting tools.



⑦Quality Control

Equipped with facilities to ensure that products are manufactured according to customer requirement. Rigorous inspections are conducted for almost all products in circulation.



Introduction to Facilities

Realizing Mass Production with World-Class Technology and consistency manufacturing process

Head Factory

Our head factory is equipped with facilities capable of accommodating mass production. In the forging plant, processing is carried out using hot forging formers tailored to the product size. The products undergo a seamless manufacturing process through the heat treatment plant, CR (Cold Rolling) plant, turning plant, forming a consistent production line leading to the final product. Additionally, central functions supporting business and management are established at the headquarters."

Producing Complex and High-Precision Products

Shiga Factory

At our Shiga Factory, equipped with both hot and cold forging facilities, we specialize in manufacturing more complex and high-precision products. Generally often prioritize either become the main axis hot or cold forging, our company optimizes the production system to accommodate the specific needs of our customers, such as significant cost and lead time reduction through composite processing, ensuring flexibility to meet detailed customer requirements.

Introducing the First High-Speed Horizontal Hot Forging Machine in ASEAN

Thai Miyake Forging

Started mass production in March 2014. Established in the Amata City Rayong Industrial Estate in Thailand, we began operations without concerns about flooding, securing a location with logistical advantages for both customers and suppliers. Leveraging the expertise developed in Japan, we introduced the first hot forging former in ASEAN, along with heat treatment furnaces, CR machines, and automated inspection equipment. We specialize in mass production.

Production System Tailored to North American Needs

Miyake Forging North America

Started mass production in June 2018. Established in the Fipps Bend Industrial Area in Tennessee, overlooking the Appalachian Mountains, we operate in an optimal environment for climate and logistics, ensuring high-quality production. Leveraging the combined processing of hot and cold forging techniques developed in Japan, we excel in mass production of precision components.