

【News Release】

February 16, 2021

Fujikin Incorporated

Fujikin High-Pressure Hydrogen System Components Adopted
for the Second-generation TOYOTA MIRAI

Two types of High-Pressure Hydrogen System Components newly developed by Fujikin Incorporated (Head Office: Osaka City, Osaka Prefecture; President: Shinya Nojima) have been employed in the second-generation TOYOTA MIRAI Fuel-Cell Electric vehicle sold by Toyota Motor Corporation starting on December 9, 2020.

Like the first-generation MIRAI, which went on sale in 2014, the new model uses a hydrogen tank equipped with a fusible-plug pressure relief device (PRD). In developing this new product, we conducted a total review of materials and manufacturing methods to determine those suitable mass production of the new MIRAI, thereby doing our part to cut costs through automation of everything from assembly to inspection.

The newly adopted manifold fittings bring together multiple tank pipes. For these fittings we built a new machining line that achieves automation of processes from material input to finishing, and – just as with the fusible-plug PRD – the automation of everything from assembly to inspection.

Fujikin also makes valves, filters and fittings equipment for hydrogen refueling stations, which are essential infrastructure for widening the use of Fuel-Cell Electric Vehicles. We continue research and development aimed at further expanding the use of such equipment, thereby making our contribution to bringing about a carbon-neutral society.

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Fujikin, which in May 2020 counted 90 years since its founding, is a manufacturer of specialized valve equipment and ultra-precise flow-control systems. The company's approach is to push the envelope and overcome technological limits, continuously. Fujikin employees have been awarded the first, fifth, and seventh "Monodzukuri Nippon Grand Awards" by the Ministry of Economy, Trade and Industry (METI). In 2014 Fujikin was chosen as a "Global Niche Top Company," and in 2020 as a "company taking on the Zero-Emissions Challenge" at an event held under the patronage of the METI. Recently we have advanced into bioengineering and life sciences, as well as the IoT.

As Fujikin Carp Group, we are expanding globally with 36 locations in Japan, and 21 abroad. In 2022 Fujikin will further accelerate the globalization of product development with the establishment of a R&D center in Da Nang, Vietnam.

Inquiries about this news release should be directed to the Corporate Headquarters Public Relations Department.

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Fujikin Sustainable Development Goals Related to this News Release

7. Affordable and clean energy

Ensure access to affordable, reliable, sustainable and modern energy for all.

9. Industry, innovation and infrastructure

Build resilient infrastructure, promote inclusive and sustainable industrialization and foster innovation.

13. Climate action

Take urgent action to combat climate change and its impacts.