



ORIX Rentec Begins Rental Service for Compact Thermal Vacuum Test Chamber

TOKYO, Japan - December 23, 2022 - ORIX Rentec Corporation (“ORIX Rentec”) announced that it has launched a rental service for the compact thermal vacuum test chamber*¹ today.

A thermal vacuum test chamber is a system that recreates the conditions of space by creating a vacuum and applying rapid temperature changes in order to measure the durability, function, and performance of components used in space, such as for satellites.

Conventional systems use liquid nitrogen to control the temperature, requiring the installation of large equipment, such as a liquid nitrogen storage tank. The new system rented by ORIX Rentec uses antifreeze instead of liquid nitrogen, making it compact and allowing for it to be carried around easily. The system is available for rent for a minimum of five days, enabling customers to conduct testing of small electronic components for satellites without spending a large initial cost.

Satellites are used for various purposes, such as for GPSs in mobile phones, car navigation systems, and weather forecasting. With private companies entering the space industry, the number of satellites launched worldwide has increased by approximately 14 times over the past 10 years*² by 2021, and the space industry is expected to expand even further in the future.

ORIX Rentec supports corporate R&D in the space field by operating and expanding the use of environmental test facilities*³ in cooperation with JAXA's Tsukuba Space Center. ORIX Rentec will continue to contribute to the enhancement of Japan's technological capabilities and industrial competitiveness through its support for product development and other activities.



Right: Compact vacuum test chamber
Left: High-performance thermal control unit

*1 Compact vacuum test chamber for creating a vacuum and high-performance thermal control system for controlling the temperature.

*2 [“Industry Trends in Space Development”](#) (Ministry of Economy, Trade and Industry; in Japanese)

*3 [“Environmental Test Facility Operation and Utilization Expanding Project Starts in JAXA Tsukuba Space Center Through Public-Private Partnership”](#) (June 12, 2022)

Contact Information:

Investor Relations and Sustainability Department
ORIX Corporation
Tel: +81-3-3435-3121

About ORIX:

ORIX Corporation (TSE: 8591; NYSE: IX) is a financial services group which provides innovative products and services to its customers by constantly pursuing new businesses.

Established in 1964, from its start in the leasing business, ORIX has advanced into neighboring fields and at present has expanded into lending, investment, life insurance, banking, asset management, automobile related, real estate and environment and energy related businesses. Since entering Hong Kong in 1971, ORIX has spread its businesses globally by establishing locations in 28 countries and regions across the world.

Going forward, ORIX intends to utilize its strengths and expertise, which generate new value, to establish an independent ORIX business model that continues to evolve perpetually. In this way, ORIX will engage in business activities that instill vitality in its companies and workforce, and thereby contribute to society. For more details, please visit our website: <https://www.orix.co.jp/grp/en/>
(As of September 30, 2022)

Caution Concerning Forward Looking Statements:

These documents may contain forward-looking statements about expected future events and financial results that involve risks and uncertainties. Such statements are based on our current expectations and are subject to uncertainties and risks that could cause actual results that differ materially from those described in the forward-looking statements. Factors that could cause such a difference include, but are not limited to, those described under “Risk Factors” in the Company’s annual report on Form 20-F filed with the United States Securities and Exchange Commission and under “(4) Risk Factors” of the “1. Summary of Consolidated Financial Results” of the “Consolidated Financial Results April 1, 2021 – March 31, 2022” furnished on Form 6-K.