

Tohoku Electronic Industrial Signs Exclusive Distribution Agreement with QuiX Quantum for Japan

- Supporting the expansion of photonic quantum technologies in Japanese research and industry

Tohoku Electronic Industrial Co., Ltd. (headquartered in Sendai, Miyagi, Japan; President: Rie Yamada; hereinafter “Tohoku Electronic Industrial”) has entered into an exclusive distribution agreement for Japan with QuiX Quantum B.V. (headquartered in Enschede, the Netherlands; hereinafter “QuiX Quantum”), a developer of photonic quantum computing technologies.

Under the agreement, Tohoku Electronic Industrial will distribute QuiX Quantum’s programmable quantum photonic processor “Alquor 2.0” and Photonic Assembly Control Unit “PACU” in Japan, while providing Japanese-language customer communication, first-line commercial support, and product information.

Founded in Enschede, the Netherlands, in 2019, QuiX Quantum is a photonic quantum computing company developing quantum computing systems and related hardware based on integrated silicon nitride (SiN) photonics.

Moving Advanced Photonic Experiments from Optical Tables to Integrated, Programmable Systems

Alquor 2.0, which will now be offered in Japan, is QuiX Quantum’s latest-generation programmable quantum photonic processor, launched in August 2026. Available in 8-, 20-, and 32-mode configurations, it is designed to move advanced photonic experiments beyond complex optical-table setups toward integrated, programmable systems.

PACU (Photonic Assembly Control Unit) provides a standardized and scalable control layer for photonic quantum systems.

These products are expected to support advanced research in fields including quantum optics, quantum information processing, and photonic quantum computing.

Supporting Photonic Quantum Research and Development in Japan

Research, development, and efforts toward the practical application of quantum technologies are accelerating in Japan, with growing interest in quantum computing and quantum photonics not only among universities and research institutes but also across industry.

Through this agreement, the companies aim to combine QuiX Quantum’s photonic technologies with Tohoku Electronic Industrial’s long-standing experience in scientific instrumentation sales and technical support for universities, research institutes, and companies in Japan, helping make advanced photonic quantum technologies more accessible to Japanese researchers and engineers.

In addition to product sales, Tohoku Electronic Industrial will provide Japanese-language customer communication and product information and serve as a technical bridge between customers and QuiX Quantum. The two companies also plan to collaborate on technical seminars, customer visits, exhibitions, and broader market-development activities in Japan.

Comment from Rie Yamada, President of Tohoku Electronic Industrial Co., Ltd.

“We see growing interest in advanced quantum and photonic technologies across the Japanese research and technology community. By working with QuiX Quantum, we can bring innovative integrated photonic technology closer to customers in Japan and combine it with the local engagement and support they require.”

About QuiX Quantum B.V.

QuiX Quantum is a European photonic quantum computing company founded in Enschede, the Netherlands, in 2019. The company develops integrated photonic quantum computing hardware based on silicon nitride technology, with systems designed for modularity, scalability, and compatibility with data center and HPC environments. QuiX Quantum has offices in the Netherlands and Germany and is developing universal photonic quantum computing systems.

About Tohoku Electronic Industrial Co., Ltd.

Tohoku Electronic Industrial Co., Ltd. is an R&D-oriented technology company founded in Sendai, Japan, in 1968. The company develops, manufactures, and commercializes advanced electronic, optical, scientific, and industrial equipment, imports and exports overseas products, and supports research and development at universities, research organizations, and industrial customers.



Alcor 2.0 / Courtesy of QuiX Quantum