

Daiken Medical: Pioneers in the Medical Industry

Japanese medical device manufacturer, **Daiken Medical**, is revolutionizing the medical industry with its cutting-edge products by leveraging advanced technology. *By Sean McBride*

Established in 1968, Daiken Medical is lauded for its patient-centric approach and dedication to R&D. Unlike its competitors, company President



Control postoperative pain using a smartphone app - Amy's Window



Amy PCA

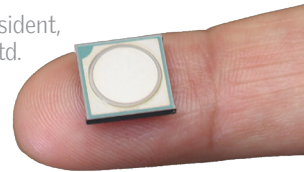
Keiichi Yamada points out that: "We do everything from fundamental research and manufacturing to distribution of merchandise. We also have a direct line to Japanese hospitals covering the entire Japanese market. This approach is the key to developing innovative products."

The company owns a Micro Electronics and Mechanical System (MEMS), a device that distributes drugs to patients. Dr. Yamada explains that during the development of this accurate and compact drug delivery system, Daiken Medical discovered the need to develop a completely new micro pumping unit that was small and inexpensive. After 10 years of research in collaboration with a German institute, it succeeded in the mass production of its micro pump (MP). In 2021, the company's product brand, COOPDECH, launched Amy PCA, a device equipped with its MP that accurately injects patients with pain relief and anticancer drugs at programmed intervals or over a long period of time. Such innovative technology allows cancer patients to receive drug treatments at home. Dr. Yamada believes this technology can be leveraged to manufacture many more medical devices, highlighting the company is "eager to expand our R&D reach to fields such as internal medicine and surgery and will drastically increase investment for R&D."



Keiichi Yamada, President, Daiken Medical Co., Ltd.

Daiken Medical partners with manufacturing companies in Taiwan, Thailand and Vietnam, and exports to countries including Brazil, Germany and various other Asian countries. Dr. Yamada states that the company is looking to branch out through global collaboration with partners that are eager to introduce its unique technology to the world, highlighting Northern America and Europe as markets with the most potential for growth.



Ultra-small micropump

 **DAIKEN MEDICAL CO., LTD.**

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