

# TIME



THE PLANET WE MADE  
 STARE AT THE GREEN HEART FOR 12 SECONDS,  
 THEN TURN THE PAGE AND KEEP STARING

Content from Global Kigyo

## Via drilling for digital gold

The great semiconductor manufacturing race will be won by the hidden champions powering the industry.



Hideaki Shimizu, Representative Director and CEO, Via Mechanics, Ltd.

Japan has played a key role in the production of semiconductors, from the early days of innovation to supplying materials and support systems. With product supply becoming one of the most important issues in the technology world, Japanese firms are once again playing a major part, even when the items are being made far from its shores.

Processing machines often start life with companies such as Via Mechanics, which specializes in drilling circuit boards. Our overall goal is to support the advancement of semiconductor package products as we move toward 5G/6G as a hidden champion within the industry," said Hideaki Shimizu, president of Via Mechanics. The company prides itself on precision crafting



of mechanical and laser drills with high reliability, using its core technologies developed and manufactured in-house. In business development, the company has an advanced approach to support international production.

"Via Mechanics has been getting involved with the cutting-edge technologies and internationalization of Japanese companies," Shimizu said. "Now, we are also contributing to the advancement of processing for global customers and semiconductor manufacturing companies. Our company is constantly ready to provide the machinery that companies need to matter in every region of the world, to produce high-quality technology."

**"Our drilling machines make production state-of-the-art."**

Hideaki Shimizu



## The elite-level tech cleaners

The most precise electronics manufacturing requires the most precise cleaning practices.



Shinya Ogawa, Representative Director, Rayon Industrial Co., Ltd.

The miniaturization of electronic technology represents massive success for developers, manufacturers and consumers. For high-precision cleaning experts, it's also exactly the kind of challenge they got into business to overcome. Japanese firm Rayon

Industrial Co. Ltd. has been working to keep up with the ever-advancing and shrinking world of circuit boards to remain the industry leaders in dust removal. Cleaning and dusting components is vital to avoid damage or contamination of such precise technologies.

Without the work of specialists such as Rayon, electronics manufacturing simply couldn't happen. "Our products account for 80% share in the components industry. Almost everything around you uses components for which



Rayon's Clean Roller sample and Non-Contact Air Blow Cleaner

we have assisted in removing dust," said Rayon President Shinya Ogawa.

With such high stakes for its services in this field, reliability is essential, which Rayon's leadership prides itself on. "We have gained a high reputation through constantly building our credibility with our clients, ensuring that we are the most trustworthy partner. Not only this, but we always follow the principle of placing value on high-quality products for affordable prices," Ogawa said. As the firm's profile and importance to the industry grows, so does its international ambitions. Increased expansion is planned for Southeast Asia, with Malaysia a target market to add to the company's existing overseas facilities in China and Taiwan.

**"Almost everything uses components, and we assist in their dust removal."**

Shinya Ogawa

The firm's biggest plans are for its smallest targets, however. In terms of its commitment to innovation, future developments include teaming up with researchers to pioneer a special plasma-based cleaning system. This uses air to remove even the most microscopic specks of dust measured in microns (one-thousandths of millimeters) from wafers, boards and semiconductors.



www.rayon.co.jp



The Clean Wiper from Rayon