

Daiichi Jitsugyo Viswill Continues to Lead the Curve in Visual Inspection Systems



"Our products represent a fusion of a stable transportation system, a high-accuracy lighting and camera system and high-speed image processing capabilities."

Shogo Kakiuchi,
President & CEO,
Daiichi Jitsugyo Viswill Co., Ltd.

A pioneer of visual inspection systems for half a century, Daiichi Jitsugyo Viswill has embraced digitalization and collaboration with global partners as it looks to develop cutting-edge technologies at the vanguard of its industry.

This innovative Japanese enterprise developed the world's first tablet visual inspection system in the 1980s and has consistently led the market ever since – with its unique solutions defined by reliability, repeatability, precision, capacity, and the speed of inspections its devices can handle. Daiichi Jitsugyo Viswill's high-quality systems are tried and trusted by clients in industries such as pharmaceuticals, electronics and automotive.

"There are three key technologies that define the quality of our prod-

ucts," says president and CEO, Shogo Kakiuchi. "First, there is the precise handling and orientation of items as they pass through our inspection system. Second, we place a strong emphasis on our lighting and camera system. Lastly, our processing system, which identifies items based on images captured with optimal lighting, is the third critical component."

Having started out as a comprehensive manufacturer, the company built up years of experience in high-tech manufacturing and integration, developing everything in-house. In recent times, however, its strategy has focused on the integration of cutting-edge technologies and essential components into a single system to deliver top-tier products.

Image Processing Unit V-IPU



"Thanks to our collaboration with partner companies, we have the capability to achieve this," states Mr. Kakiuchi. "Our products now incorporate the latest digitalization, automation and other latest technologies, ensuring they remain at the forefront of innovation."

Indeed, Daiichi Jitsugyo Viswill's history has been marked by several innovative world-first products, with another particular milestone coming in 2009 when it became the first in the industry to integrate 3D imaging inspection into its tablet visual inspection system. This development was followed by the introduction of its TVIS NS Series in 2011. And In 2015, the Japanese firm introduced the TIPS series, a combination of a tablet visual inspection system and an inkjet printing system, which has gained increasing popularity in the market.

"Additionally, we've enhanced our O-ring inspection system to ac-



Rubber Products Visual Inspection System RUVIS

commodate larger diameters and a wider range of sizes. Recognizing the cost challenges in overseas markets, we've also introduced a higher cost performance model of this visual inspection system," adds the president.

The company's strategic move into rubber O-rings segment is in response to increasing demand from the emerging CASE vehicle (connected, autonomous, shared, electric) sector. With the integration of more cameras and sensors into a car's exterior, the need for rubber O-rings and gaskets for sealing is crucial for these applications. Furthermore, the company has identified promising growth in the automotive-related parts and battery industries.

Expansion also entails expanding international operations, and since last August, Daiichi Jitsugyo Viswill has been actively pursuing overseas sales by directly visiting customers to expand its business in international markets. "The pharmaceutical market in China is picking up momentum at a slow pace. We are preparing for sales expansion for our tablet visual inspection systems in this market so that when the Chinese market fully rebounds, we can make a strong entry into it," adds Mr. Kakiuchi. "There is fierce global competition in this product category, and we aim to avoid engaging in price competition. As pioneers in the industry and technology, it's crucial for us to emphasize our uniqueness."



Chip Component Visual Inspection System CCVIS-A5V

Looking ahead to the end of the company's midterm plan until 2030, the overarching goal is to continue growing both the company and the workforce, contributing to the sustainability of the global society, the president highlights. "Moreover, we aim to achieve a turnover of 10 billion JPY by the fiscal year 2031 by supplying our products to various industries, including pharmaceuticals, electrical components, automotive, batteries and new functional materials."



Tablet Inspection and Printing System TIPS-EX4-CD



Tablet Visual Inspection System TVIS-NSR

"There is substantial untapped potential in this sector since visual inspection has not yet reached its full penetration, providing us with ample opportunities for expansion and development," Mr. Kakiuchi reveals.