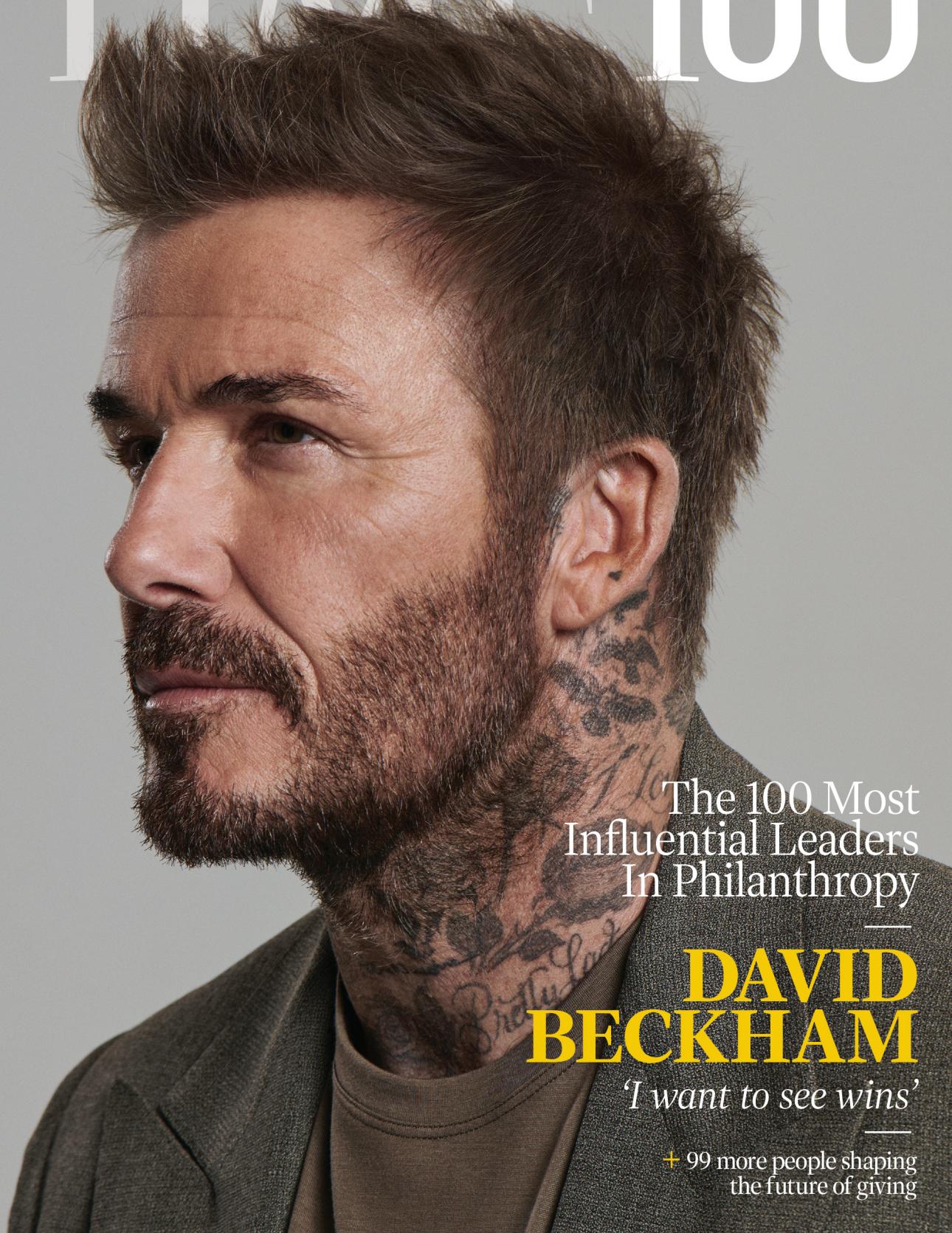


# TIME 100



The 100 Most  
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*'I want to see wins'*

⊕ 99 more people shaping  
the future of giving

# Mapping the Local Legends

Across Japan, a new wave of innovation is being driven by regional leaders working hand-in-hand through cutting-edge R&D and collaboration.

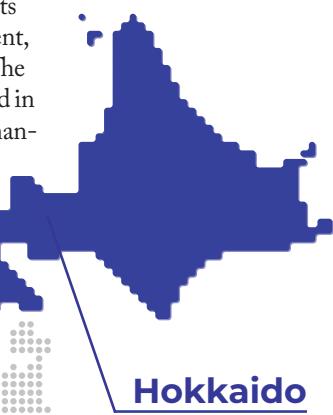
Spanning over 3,000 km and 14,000 islands, Japan is a land of striking contrasts—from Hokkaido’s snowy slopes to tropical mango farms in Okinawa. Its business landscape mirrors that diversity. World-class factories, universities and R&D centers are scattered across the country. While Tokyo contributes around 20% of the national GDP, innovation thrives far beyond the capital. In Kyoto, Japan’s former capital, high-tech firms are flourishing. Samco Inc., a global semiconductor equipment maker, is a standout. Founder Osamu Tsuji noted, “Kyoto is home to many companies with revenues in the trillions of yen. Interestingly, the Japanese unit *cho* used to measure trillions is also used when counting tofu, so one might joke that Kyoto’s businesses are tofu specialists.”

Just 15 minutes from Kyoto by bullet train, Osaka is a long-standing hub for trade and infrastructure. Mitsubishi Rubber, founded there over a century ago, is addressing modern challenges. “In recent years, water supply and flood prevention have become critical issues in Japan. In response, we have been developing water-blocking solutions,” said President Goji Wada. To the east in Aichi Prefecture, Japan’s automotive heartland, IEC, a leader in fluid control systems, is embracing collaboration. President Hideto Aoki said, “It is always good to communicate with clients and open our expertise to everyone, enabling borderless progress together.”

Along the Sea of Japan, the Hokuriku region blends tradition with technology. Near Mount Hakusan, precision engineering firm BBS Kinmei is advancing in semiconductors. “The biggest characteristic of the area is that it is a home of craftsmanship with artisanal pottery and lacquerware inscribed in the nature of Ishikawa,” said President Ryunosuke Kawahara. In neighboring Toyama, packaging firm Daiki is strengthening its domestic production. “We are looking to expand into new areas and achieve 100% in-house production. This year, we plan to introduce two new machines,” said President Hideki Inanami.

Hokkaido, best known for its ski slopes and lavender fields, also hosts top research institutions like Sapporo University. “Hokkaido was a relatively undeveloped area with few people compared to the rest of Japan. Our SUTEP (Sapporo University TOUGH Educational Program) stems from our establishment policy, stating that we will grow and cultivate students to have a pioneer spirit,” said Yoshiyuki Ohmori, president of the university.

In the Kanto region, just north of Tokyo, Saitama-based Industria is taking its filtration technology global. “We have been handing over the craftsmanship mindset by elevating our expertise as a recognizable brand, both for the domestic and overseas markets,” said President Kazuaki Takahashi. South of the capital, Kanagawa is home to a thriving biotech scene. Chitose Group is part of that ecosystem. Founder Tomohiro Fujita said, “To combine the best practices from both inside and outside Japan, we created the Chitose Agriculture Initiative in Southeast Asia, a project to grow sustainable produce while adhering to high standards, economically benefiting farming communities.” And of course, all roads lead back to Tokyo—Japan’s sprawling capital of over 14 million. Despite its scale, it remains remarkably efficient, a trait valued by manufacturers. “The competitive edge of Japan is rooted in qualities that are well-suited for manufacturing, such as punctuality and adherence to specifications,” said Koji Takahashi, president of chemicals firm Dainichiseika.



## Toyama

Practical packaging,  
Daiki Co., Ltd.

## Saitama

Functional filtration technology,  
Industria Co., Ltd.

## Tokyo

Next-generation pigments,  
Dainichiseika Color & Chemicals Mfg. Co., Ltd.

## Kanagawa

Sustainable biotechnology,  
Chitose Group

## Kyoto

Renowned semiconductor  
processing, Samco Inc.

## Ishikawa

Micro-level precision,  
BBS Kinmei Co., Ltd.

## Osaka

High-value compounds,  
Mitsubishi Rubber Co., Ltd

# Connecting Japan with Flexibility and Strength

The Victaulic Company of Japan plays a vital role in protecting the nation's water supplies from the threat of seismic events and natural disasters.

## Goji Wada

President and CEO

The Victaulic Company of Japan Ltd.  
Mitsubishi Rubber Co., Ltd.



Few industries are as crucial to the success and stability of a nation as its infrastructure industry. For almost a century, The Victaulic Company of Japan Ltd. has helped connect water supplies for homes, power stations and even the iconic Shinkansen bullet trains. With much of Japan's domestic pipeline network now requiring age-related maintenance, the firm is working to ensure waterways are maintained and supplied to the highest possible standards.

In a region vulnerable to earthquakes and typhoons, resilience and reliability are paramount for a business that manufactures fittings and joints. Victaulic CEO and President Goji Wada is committed to supporting the repair and replacement of affected pipelines across the country. "We have been a pioneer in supporting Japan's current water supply system, and now, given its aging nature, we need to replace parts and provide maintenance. Japan also has other pressing issues, such as earthquakes, floods, typhoons and tsunamis," said Wada. "Our company will continue to develop earthquake-resistant reinforcement and repair joints as well as products suited to these needs," he added.

Central to Victaulic's work is making sure its joints are flexible enough to cope with friction and vibrations, including its special seismic-resistant products with a self-sealing mechanism. This has been popular with domestic and international clients, including prestigious overseas projects such as the Eurasia Tunnel underneath Turkey's Bosphorus Strait. The firm has also developed cutting-edge products such as the VicSensor II, which monitors the displacement of pipes

digitally. Now, they are aiming to adopt AI systems that can reduce costs further, making devices even more accessible to customers. "Our VicSensor II currently utilizes a cloud system, and in the future, we hope that AI processing technology will be implemented. Maintenance should be controlled via AI processing to reduce overall staffing needs and labor costs," said Wada. The next step for the company is to develop further its international sales in specific targeted markets. Southeast Asia and the Middle East are both areas of significant interest for expansion. Victaulic recently presented at a technical convention in Saudi Arabia and has received a number of inquiries about the crucial issue of conducting maintenance programs without interrupting water supplies.

"We have a long history of working in overseas markets and selling products for water utilities, oil refinery plant facilities and power plant pipelines," said Wada. "As these come to maintenance age, we now see the need to provide aftercare solutions. We see an opportunity to provide the region with our specialist systems that we already use in Japan," he added.

## Earthquake-Resistant Reinforced Flexible Joint Model: RSW



## Flange Reinforcing Joint Model: RJF





Creating from scratch®  
**MITSUBISHI RUBBER**®



The innovative strength of Mitsubishi Rubber is helping to drive sales in major industries across Japan.

The success of Mitsubishi Rubber Co., Ltd. has always been defined by innovation. Renowned for supplying original products to safety-critical industries, the company now supports the shipbuilding and energy fields, among others, and is solving the problem of aging critical infrastructure in Japan.

In a time of great social and economic uncertainty, Mitsubishi Rubber trades on its reputation for reliability, all while embracing collaborations and opportunities to support essential services that benefit society. President and CEO Goji Wada believes this is crucial to his firm's future. "As part of our new initiatives, we are advancing the development of unique and innovative products. This remains a core pillar of our business," said Wada.

With a diverse international client list, Mitsubishi Rubber's innovations are just as wide-ranging. "We aim to expand further through new challenges by evolving traditional materials into something entirely new," said Wada. This includes developing a form of flameproof rubber for fire suppression systems, while also seeking to support sustainability with a product that can be used safely with next-generation fuels such as ammonia and hydrogen. The team is also working on water pressure seals for nuclear shelters, as well as special rubber compounds that create electric ion flows to prevent the accumulation of shellfish and bacteria that can lead to corrosion of undersea equipment. For Mitsubishi Rubber, however, R&D is not

*Mitsubishi Rubber provides a diverse range of sealing products.*

just about new products. A central part of its innovation is working to find new applications for its existing technology to help suit evolving business and societal needs. Also, the company is adapting its BLAT (Bandless Air Tight) seal, used in containers for chemicals and hazardous materials in pharmaceutical labs, to suit different industries as it expands into new markets.

As part of the firm's key infrastructure focus, its water pipeline sealing device includes balloons that can be used to stop water flow to allow for repair works—a pressing issue with

740,000 km of water pipes and over 490,000 km of sewage pipes requiring maintenance in Japan in the near future. With flooding an increasing concern across Japan, Mitsubishi Rubber's work in this field extends to pipe bypass technology and the Shell Cover II, which can prevent stormwater backflow. In a rapidly changing society and economy, the company seeks to leverage its integrated production systems to work with new clients and in new arenas. "As Japan's labor force continues to decline, co-creation will be crucial for companies to sustain growth and actively engage in joint development with various stakeholders," said Wada.

As Mitsubishi Rubber looks to the future, it aims to take advantage of its core product's flexibility to support the community through R&D work. "We will continue to develop solutions that address social issues, enhance infrastructure safety and contribute to the realization of a sustainable society," he said.

## "Mitsubishi Rubber will continue to contribute to society as an innovative company"

Goji Wada

# Pushing the Boundaries of Logistics and Manufacturing

Japanese firm AIOI Systems is empowering businesses to improve productivity through customized digital solutions for logistics and manufacturing sites.

**Yutaka Yoshino**  
President & CEO  
AIOI-SYSTEMS Co., Ltd.



As e-commerce demand surges and world markets become ever more connected, the global logistics industry has been undergoing rapid growth. However, labor supply in some regions is failing to catch up, and more than 90% of Japanese companies are reporting that they are suffering a shortfall in staff.

In this evolving landscape, AIOI Systems has established itself as a global leader in picking assistance systems, boasting a top market share worldwide at both logistics and manufacturing sites. Since joining the TOPPAN Group in 2021, AIOI has also been actively leveraging new partnerships to address challenges. AIOI has introduced its new Digital Picking System, connecting people, goods and logistics sites in 73 countries worldwide. Holding a leading market share, this system utilizes light and sound guidance to assist workers in picking and sorting operations, enabling workers to perform tasks accurately and effortlessly. As it operates without the need for large-scale investment, the system can be swiftly implemented and optimized with short lead times, ensuring immediate operational gains. With increasing demand for automation in factories and warehouses, AIOI advocates for a “semi-automation” approach. Conversely, full automation, requiring significant upfront investment, can heavily impact business cash flow and return on investment. To help clients make better decisions, AIOI offers flexible packages that allow businesses to implement changes step-by-step, integrating human labor and robotics. This approach has successfully attracted a growing number of users. One of AIOI's key innovations is its Smart Card. By combining “e-paper” with IC chip technology to create “visible RFID”, the company helps to optimize sustain-

ability and inventory management for its clients. The Smart Card has already been adopted in Japan as a paper label alternative in eco-conscious factories and warehouses, and can instantly encode text and QR codes while moving on a conveyor, reducing lead times without slowing down handling equipment. Furthermore, its battery-free design enables semi-permanent rewriting, making it a highly valued solution.

AIOI has been actively expanding its global market presence since the 2000s. With numerous distributors across Europe, the U.S. and Asia, the company continues to support warehouse and manufacturing operations worldwide. Its most recent acquisition of Singapore-based Keyfields, a provider of warehouse management software, has enabled AIOI to offer end-to-end solutions, from system design to picking system implementation. Few companies in the APAC region can provide this level of seamless hardware-software integration, attracting strong interest from customers in Singapore, Indonesia and Thailand. Additionally, AIOI has begun integrating its picking systems with various robotic manufacturers, eliminating errors in human-robot handovers and further optimizing on-site operations.

AIOI remains committed to reducing errors in logistics and manufacturing operations, creating a more worker-friendly environment, and addressing societal challenges such as labor shortages. By implementing semi-automation, businesses can enhance flexibility, cost efficiency and return on investment. With the mission of being a “Logistics DX Coordinator,” AIOI will continue collaborating with clients, refining strategies and delivering optimal solutions to support the sustainable growth of the industry.

## Battery-Free Smart Tag



## Pick to Light System



Smart Card Applications on Conveyors

## 2025 Main Exhibitions

- June - Vietnam  
VMAT - Vietnam Material Handling Fiesta
- August - India  
Automation Expo 2025
- September - Japan  
Logis-Tech Tokyo 2025 INNOVATION EXPO



## Driving Automotive Success

Japan's car industry is powered by a range of innovative companies.

For almost a century, one field has been a bedrock industry of the Japanese economy. The success of the automotive sector, however, isn't just down to the famous brands that dominate the global market.

A wide range of partner firms are helping drive the industry forward with innovation and a commitment to the highest quality standards. Teruhiko Iwasaki, president of Phiaro Corporation Inc., believes vehicular electronics will be crucial moving forward. "Almost all companies in the sector have placed strong importance on electronic systems. We have to enhance our capabilities in this area," said Iwasaki. Masaru Sato, president of Yamada Manufacturing Co., Ltd. agreed that innovation is vital. "Our goal has been to create smaller components that meet client specifications without compromising performance," said Sato. Longevity and durability are essential for rebuild engineering firm Honest Co., Ltd. "Currently, people who can keep a car for a long time in excellent condition are more admired. It can be a sales point for manufacturers to say their parts can be rebuilt," said President Keiji Okawa. Sanshin Mfg Co., Ltd., a filtration technology firm that supplies the industry, aims to integrate smart technology. "We have been looking into ways of using image-based diagnostics and IoT devices, which will ensure more predictable maintenance," said President Hiroshi Yagishita.

## Longevity and Protection



**"We are looking to expand into new areas and achieve 100% in-house production."**

**Hideki Inanami**  
President  
Daiki Co., Ltd.

Japanese packaging firm Daiki Co., Ltd. is hoping to build on its success by expanding its domestic manufacturing and venturing out to new overseas markets. Renowned for its range of food covering films, the firm has already developed international links with China and Indonesia.

It now hopes to expand across Southeast Asia into markets such as Thailand, Vietnam and Cambodia. With a diverse business portfolio including novelty gifts and more, the firm has managed to navigate the industry by hedging risks effectively, according to President Hideki Inanami.

Now, Daiki is also seeking to consolidate its position in the Japanese market by investing in new equipment. "This year, we plan to introduce two new machines to enhance our production capabilities," said Inanami.

**Daiki**  
www.daiki.org

## Polished to Perfection

Ishikawa's BBS Kinmei ensures accuracy in the semiconductor and solar panel fields.

**Ryunosuke Kawahara**

President  
BBS Kinmei Co., Ltd.



**BBSKINMEI**



In the precise world of next-generation chip fabrication, defects are often measured in nanometers, or one-billionths of a meter. This makes the demand for accurate polishing systems capable of mass production especially critical as the industry shifts toward complex 3D-stacked designs.

Japan's BBS Kinmei Co., Ltd., based in rural Ishikawa Prefecture, produces polishing machines not only for the semiconductor industry but also for demanding use cases such as renewable energy systems and optical films. President Ryunosuke Kawahara draws inspiration from the region's rich lacquerware-making tradition, or *urushi-nuri*. "I think that the biggest characteristic of the area is that it is a home of craftsmanship. Local people have ideas and designs that are integrated into the area's industry, elevating the overall level of *monozukuri*," he says. In today's competitive chip-making landscape, Kawahara recognizes the need for efficient machines. "Our edge polisher machine excels in shape controllability, which creates optimal edge shapes and reduces variation, making it an indispensable part of modern semiconductor manufacturing processes," he said. Over time, BBS Kinmei worked to build a strong production base in Japan as the country's semiconductor industry rapidly grew. Now, with over 60% of orders coming from China, along with sales to other regions such as Europe, South Korea and Taiwan, BBS Kinmei is ready to make an impact globally. "Regarding international expansion, we believe that a flexible international strategy is necessary, especially in the semiconductor and precision machinery fields, where markets are changing rapidly," Kawahara said.



# Creating Vibrant Innovation

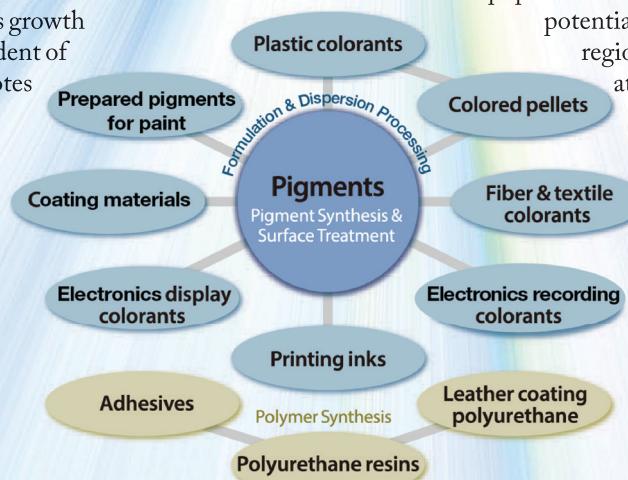
Japan's Dainichiseika is bringing more color to the world with a strategy focused on technology and expanding markets.



**Koji Takahashi**  
President & Representative Director  
Dainichiseika Color &  
Chemicals Mfg. Co., Ltd.

In recent years, competition in the global market has intensified relentlessly. While many Japanese companies are seeking opportunities for overseas expansion, they are also facing varied challenges, from cultural differences to supply chain complexities.

Amid this environment, Dainichiseika has achieved significant overseas growth through a unique strategy. President of the company, Koji Takahashi, notes several of his secrets to success. "Our modern lives are filled with a rich tapestry of colors. At the heart of this vibrant world, essential to people's lives, lies our company Dainichiseika. For over 90 years, we have undergone a remarkable evolution, transforming from a mere supplier of pigments to a creator of colors and innovative high-performance materials that shape industries and enrich the lives of people around the globe," he said. "Our strength lies in the remarkable synergy created by the seamless integration of three core pillars that we have cultivated since our founding: technological prowess, customer responsiveness and production capabilities," Takahashi said. "Our sales division accurately captures the diverse needs of our customers, while our technology division deeply explores core fundamentals. These include pigment and polymer synthesis, as well as surface treatment, formulation and dispersion processing technology, creating new value. Our production division, with its



**BEYOND COLOR**  
EXPLORE THE UNKNOWN TO REACH A BETTER FUTURE.

global reach, consistently delivers high-quality products, thereby meeting and exceeding our customers' expectations," said Takahashi. Building upon this unwavering foundation, Dainichiseika continues to respond swiftly to changing customer needs, leveraging its exceptional technological capabilities to create new societal value. Dainichiseika's products are indispensable to a wide variety of industries, ranging from automobiles, electronics and textiles, to packaging for food and pharmaceuticals, and clean energy. "We always keep keywords such as 'solvent-free,' 'water-based,' 'biomass,' 'biodegradable' and 'recyclable' in mind. By placing greater emphasis on environmentally friendly features, we are committed to providing valuable products for society," said Takahashi. Recognizing the Asian market as a crucial target, Dainichiseika is actively expanding on products that have earned high acclaim in Japan. Among markets, India, with its world-leading

population and remarkable future growth potential, is positioned as a key strategic region, and the company is accelerating its business expansion there.

"The attractiveness of India lies not only in its significant domestic demand but also in its growing importance as a gateway to markets west of India, such as the Middle East and North Africa. In this strategic hub, we already have a local subsidiary in Neemrana that manufactures compounds mainly for the automotive sector. However, we aim to introduce a wider range of high-performance products to the market by increasing local production. As a crucial means to achieve this, we are actively considering collabora-

tions with local companies, including potential mergers and acquisitions," said Takahashi. Through business development deeply rooted in local needs, Dainichiseika embraces a clear mission: to deliver high-performance products to the world that contribute to both environmental sustainability and the enhanced comfort of people's lives. Through color and innovation, Dainichiseika will continue to make the world vibrant and create a more comfortable, sustainable future.



## Major Facilities in Asia



## Building a Better Connected Nation

Japanese businesses are building on their legacy and powering the next generation of efficiency gains, through the development of smart infrastructure systems.

Automation, AI and connected systems are changing how the world does business. In Japan, it's also changing the way infrastructure, logistics and safety systems influence how people live. Across sectors such as fire detection, refrigeration and robotics, companies are making great strides in integrating the latest smart technologies. Yutaka Yoshino, president and CEO of AIOI Systems Co., Ltd., is a firm believer in adopting new systems to support efficiency. "In the logistics industry, our approach is to offer customers a variety of options. Our goal is to provide services that streamline warehouse management, minimize mistakes and boost employee motivation," said Yoshino. Looop Inc. President Takumi Morita

is also working to support connected technology systems. "Today, many industries, including data centers, are demanding decarbonized power like solar and wind. Our solar power generation strengthens the country's ability to attract those industries," said Morita. Takefumi Momose, president and representative director of robotics firm Y.A.C Holdings, Inc., places great importance on the semiconductor business. "Semiconductors are used in almost every type of device and

form the backbone of new technology systems that improve product performance and make devices more compact. Y.A.C is focusing on power semiconductor-related products," said Momose. Fire safety firm Nittan Co., Ltd. is developing new smart systems designed to have a lifesaving impact. "B Catch Now was developed to facilitate firefighting operations and to locate employees in the event of an emergency. It is equipped with a variety of IoT technologies that allow users to track and confirm location data in real time," said Masanori Oki, president and representative director. Issei Takino, president of robotics company Mujin Inc., is tackling the gaps between manned and automated production systems. "At Mujin,

we're focusing on motion planning technology. This integrates data from many sensors, calculates the next steps, and generates precise motions in real-time. This is essential for creating robots that can adapt and handle complex tasks," said Takino. Goji Wada, president of The Victaulic Company of Japan Ltd., is also looking to adopt new technologies. "Our VicSensor II utilizes a cloud system currently, and in the future, we hope that AI processing technology will be implemented," he said.

### **"I believe we should focus on semi-automation, aiming to reduce manpower while maintaining efficiency"**

Yutaka Yoshino

## Taking a Quantum Leap

Kyoto's Samco Inc. is driving semiconductor innovation through cutting-edge R&D and empowering the next generation of researchers.

Tradition and technology go hand in hand in Kyoto, Japan's cultural capital. While millions visit for its serene gardens and ancient temples, Kyoto is also home to cutting-edge global tech firms driving innovations from advanced materials to consumer electronics. Since the 1970s, Samco Inc. has been a key supplier of semiconductor process equipment to major chip fabs worldwide. Under CEO Osamu Tsuji, a seasoned industry veteran, the company grew from a garage where it developed its first plasma-enhanced chemical vapor deposition (PECVD) equipment, into a global player supporting critical steps in the semiconductor supply chain. Tsuji remains committed to growth. Set to open a new R&D facility this year, he noted, "The semiconductor industry is undergoing a transition. While the sector now generates around 10 billion yen in revenue for us, we see potential for up to 15-fold growth." Collaboration has

always driven Samco forward, powering breakthroughs in silicon photonics and compound semiconductors, which Tsuji calls a "game-changer" for data center connectivity. The firm's specialized technology also supports ultra-low-temperature chip production, essential for quantum computing. "This is a highly competitive field, with companies vying for market share from the U.S., China and Japan," said Tsuji. Samco builds its network through industry and academic ties, including annual grants of 2 million yen per researcher in materials science through the Samco Foundation. Looking to expand globally, Tsuji noted that Samco's President Tsukasa Kawabe's recent visit to India revealed tremendous potential. Looking to tap into the country's vast talent pool, Tsuji added, "We hope to support young engineers both technically and financially, and we are excited about the possibilities this will create."



# Inventing, Evolving and Creating Lasting Success

IEC, a Japanese fluid control pioneer, has ambitious plans for the future—building on its current successes in taking clients to new heights.

**Hideto Aoki**  
President  
IEC Co., Ltd.



Some names do more than identify—they embody a mission. For IEC Co., Ltd., a Japanese specialist in fluid transfer and supply systems, the principles of invention, evolution and creativity are the very origin of the company's name. With over six decades of experience working with fluid materials, ranging from industrial paints and lubricants to resins, waxes and even sugar coatings for chewing gum, IEC's business is based on delivering results to a diverse global client list across markets.

The company combines cutting-edge R&D with a commitment to long-lasting solutions, quality service and durability. IEC President Hideto Aoki believes it is crucial that customers know they can depend on his firm. "As we have done for decades, our company will always stand by our clients' side and see the job through to completion," said Aoki. "Unlike other companies that tend to give up once they feel it is no longer possible to succeed, we will always strive to make sure the result is positive," he added. A hallmark of the firm's success

has always been the diverse applications of its products and systems. IEC has adapted fluid delivery technologies for spray painting large structures such as bridges and seagoing vessels. In areas of micron-level precision, IEC's fluid supply systems work at smaller scales to help apply grease and silicon for electronic components processing. Across Japan, IEC helps to deliver precision in niche, behind-the-scenes areas, where a pause in production can cost clients precious time and resources. These include dispensing sugar coatings for medical tablets, mixing ingredients used in cosmetics production, and applying adhesives for manufacturing household appliances, including LED displays.

To help maintain its innovative edge, IEC engages in partnerships with a broad spectrum of stakeholders. Recently, the firm has been working on joint projects with e-commerce giant Amazon to supply automation equipment for its fulfillment plants. "We set up a technical center and laboratory as a platform to demonstrate our expertise. It is our co-creation environment where we can collaborate with cherished clients and extend ideas that lead to joint projects," Aoki said. Founded in Nagoya in 1960, IEC's success story has spread far beyond Japan's borders over the last 65 years. IEC has a growing presence across several continents, with bases in the United States, Mexico, Brazil, India and Southeast Asia. The firm hopes its next expansion will be in Europe, following an exclusive deal agreed upon with the U.K. brand Bamford Cosmetics. Part of IEC's corporate strategy to develop its global outlook includes offering global experiences to its staff. President Aoki is particularly keen to promote exchanges and visits provided throughout the company. "The next two to three years, I want to encourage my younger employees to venture abroad to our bases in India, Vietnam, Brazil and Mexico, so that they can broaden their perspectives," said Aoki.

Looking ahead, the firm is targeting the growing electric vehicle market, alongside some even more stellar product goals. "Most demands are coming from the EV battery field. So far, our expertise has been well received from stakeholders in the auto industry, and we have received



# Team IEC



praise for our fluid handling and coating technology,” said Aoki. “An overarching theme of our R&D is going to outer space. I made a promise in front of all our employees—there is unlimited potential for our expertise when it comes to cosmic endeavors, and that is our ultimate goal,” he added.

Last but not least, IEC is committed to supporting the Sustainable Development Goals (SDGs). Aoki said that the business is working through a ten-year strategy that includes diversifying into new businesses such as restaurants, with targets to reduce emissions and energy use. The project also includes introducing a magnetic pyrolysis energy conversion device, MG22Eh®, which thermally decomposes organic waste—instead of incinerating it—using the plasma effect from magnetism and harnessing the heat from further decomposition to produce steam and electricity. “Those non-manufacturing businesses are the second pillar of our business now—energy saving initiatives will never reach zero, so instead we must make better use of resources. This is why we have the two pillars working in parallel,” said Aoki. He adds, “We must prioritize our sustainability pillar to ensure that IEC will survive in a business setting.”



Organic matter magnetic pyrolysis energy conversion device MG22Eh®.

