

GLOBAL-**Tex**

From Osaka to the World!



GLOBAL-Tex****
Global business Trial for the EXPO 2025



Manufacturing World Osaka

This booklet introduces 20 companies with unique technologies and products that support manufacturing, which are exhibiting at the 28th Manufacturing World Osaka.



GLOBAL-Tex
Global business Trial for the EXPO 2025

Challenge from Osaka to the World —

Osaka is home to many manufacturing companies with advanced technological capabilities, as well as businesses that produce components and products that support manufacturing.

At the 28th Manufacturing World Osaka, companies are exhibiting a wide range of technologies, from precision processing technologies that combine traditional and digital technologies, to screws and springs that are essential as machine parts, chemicals that improve processing quality, and systems that contribute to automation and labor saving.

Please take a look at the exhibition booths filled with the enthusiasm of companies from Osaka challenging the world.

01	Tenhiko Industrial Co., Ltd.	Suppressing Oil Mist And Odors — Improving The Work Environment and Productivity at Metal Processing Sites
02	Uni-chem Co., Ltd.	High Release Properties, Repeatable Release, Low Transfer Contributing To Improved Productivity
03	MITOMO Co., Ltd.	For Odor Control In Exhaust, Wastewater, Waste Materials, and Work Environments
04	Miccheal Chemical Co., Ltd.	Prevents Static Electricity and Contributes To Improved Productivity
05	Marushin Co., Ltd.	A Diverse Range Of Automation Devices that Promote Automation and Efficiency Across Various Industries
06	SYSTEM-I Co., Ltd.	Consistent NC Verification Optimization of the Manufacturing Flow
07	CHUO ELECTRIC WORKS Co., Ltd.	Achieving Labor and Manpower Savings in Inspection Tasks through Image Inspection AI
08	Teijin Engineering Limited	Transporting Heavy Loads with High Precision and Low Noise
09	Hanshin Neji Co., Ltd.	“Nylok” Delivers Maximum Anti-Loosening Performance!
10	Tokai Spring industries, Inc.	Expert Solutions for Spring Testing, Evaluation, and Maintenance Challenges
11	KAMIYA SAW & KNIFE MFG. CO., LTD	Cutting and Machining Challenges — Consult Directly with Our Blade Experts at the Booth
12	Uchihashi Estec Co., Ltd.	Thinner than a Hair, Thinner than Paper — Rosin-Core Solder Wire
13	NISHITO SPRING MFG. & Co., Ltd.	Spring Manufacturing Technology that Helps Engineers and Field Engineers Solve Problems
14	Origin Shoji Co., Ltd.	Realizing Energy-Saving and Efficient Power Control
15	Kasatani Corp.	Unmatched Accuracy in Press Processing and Insert Molding
16	AOTO KINZOKU Co., Ltd.	Combining Traditional Spinning with Digital Technology
17	SEIKO SEIMITSU Co., Ltd.	Ultra-Precision Processing for Complex Shapes Demanding High Accuracy
18	matsui seisakusyo Co., Ltd.	Comprehensive Support from Forging to Cutting and Inspection
19	Nippon Wico Co., Ltd.	Contributing to Solving Various Challenges such as Miniaturization, Weight Reduction, Low Vibration, and Low Noise
20	Q-ho Metal Works Co., Ltd.	A Domestically Produced 3D Printer that Combines High Precision and Aesthetic Expression with Unparalleled Intricacy

01 Tenhiko Industrial Co., Ltd.

[Exhibited Products & Technologies]
Metalworking Fluid
“SYITT Oilwater”

Suppressing Oil Mist And Odors —
Improving The Work Environment
and Productivity
at Metal Processing Sites



● Product Details

The exhibited “SYITT Oilwater” is a metalworking fluid designed to improve the workplace environment of metal processing sites struggling with oil contamination and unpleasant odors. It not only suppresses the generation of oil mist, odors, and stickiness, but also eliminates the need for a mist collector, reducing cleaning work and easing the burden on workers. By using no preservatives or mineral oils, it helps curb waste oil generation, thereby contributing to lower waste oil disposal costs and reduced CO₂ emissions. In addition, its excellent cooling performance and lubricity improve processing efficiency and extend tool life — another key advantage.

● About the Company

Carrying the messages “Happiness Together with Our Customers” and “Delivering Steel and Smiles,” our specialty steel trading company will celebrate its 150th anniversary in 2025. With a wide inventory of specialty steels and stainless steel, along with extensive processing know-how, we offer thorough support through material and processed goods procurement via a domestic and overseas network based in Japan, China, and Thailand. In recent years, we have also begun handling environmentally friendly metalworking fluids in addition to steel and stainless materials, showing a strong commitment to environmental considerations.

Tenhiko Industrial Co., Ltd.

Osaka Honmachi Office,
15F Sakaisuji Honmachi Center Bldg.
2-1-6, Honmachi, Chuo-ku, Osaka City



HP

03 MITOMO Co., Ltd.

[Exhibited Products & Technologies]
Plant-Derived Deodorizer
“DEOFRE”

For Odor Control In Exhaust,
Wastewater, Waste Materials, and
Work Environments



● Product Details

“DEOFRE” is a liquid deodorizer primarily composed of natural plant essential oils and plant extracts. It neutralizes unpleasant odors generated in manufacturing processes across various factories such as painting, casting, metalworking, and rubber production, bringing odors close to neutral. The deodorizing effect is achieved by directly spraying, spreading, or adding it to the source of the odor. Because it can be used only as needed, running costs are kept low. Using mainly plant-derived and recycled raw materials, the product is highly safe and environmentally friendly.

● About the Company

We aim to be a comprehensive provider with strong procurement capabilities, accurate analytical skills, powerful sales ability, and high-quality manufacturing capacity through total planning of industrial materials, environmental materials, daily necessities development, trade, and web services. With five core business divisions—industrial materials, environmental materials, daily necessities, sales promotion, and trade—we pursue diversified business expansion across each field, providing robust support to our business partners. We continue to challenge ourselves in pursuit of further evolution and the creation of new value.

MITOMO Co., Ltd.

4-3-14-702, Kawaramachi,
Chuo-ku, Osaka City



HP

02 Uni-chem Co., Ltd.

[Exhibited Products & Technologies]
Fluorine-Based
Mold Release Agent
“UR / UW Series”

High Release Properties,
Repeatable Release,
Low Transfer Contributing
To Improved Productivity



● Product Details

Compared to silicone- or wax-based release agents, these products offer higher release performance, repeatable release, and low transfer, all of which help improve productivity. The series is available in a wide range of types — water-based, solvent-based, aerosol, and kneaded types — so you can select the most suitable option for your operating conditions. They also provide proposals for new product development and improvements through customized formulations.

● About the Company

Leveraging our synthesis technology, we are focusing on developing PFAS alternatives and are advancing commercialization of these substitute products. We also offer customized synthesis tailored to individual needs — enabling new synthesis based on application, function, or usage method. We can accommodate orders from small quantities, helping to accelerate the commercialization of development products. Please feel free to consult with us for new developments or alternative products. [Products] Fluorine-based surfactants, fluorine-based release agents, functional coatings, fluorine raw materials and monomers, fluorine-based solvents, and more.

Uni-chem Co., Ltd.

6-15-4, Kami Higashi,
Hirano-ku, Osaka City

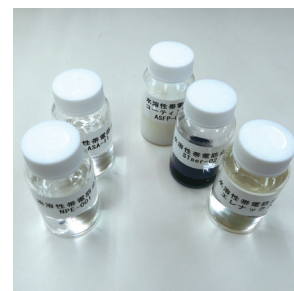


HP

04 Miccheal Chemical Co., Ltd.

[Exhibited Products & Technologies]
Development Technology for Anti-
Static Agents
Suitable for Various Applications

Prevents Static Electricity and
Contributes To Improved
Productivity



● Product Details

Miccheal Chemical is exhibiting antistatic agents developed through formulation that adapt special cationic polymers of high molecular compounds and oil-soluble conductive agents for various applications. These agents effectively reduce unpleasant sparks caused by static electricity in dry environments and minimize dust adhesion on showcases. They also solve production site-specific issues such as “processing defects caused by static cling in resin molding” and “reduced work speed due to static repulsion during packaging.” By improving on-site production efficiency, these products contribute to cost reduction.

● About the Company

Founded in 1951 as Suisho Yuka Kogyo Co., Ltd., we changed our name to the current one after merging with NIITAKA Co., Ltd in 2022. We are a manufacturer engaged in the production, processing, and sales of chemical industrial products and oil-related products. Leveraging the strength of chemical products that are compatible with various materials, we develop and propose products tailored to customer needs. By accurately understanding markets and demands, and relying on extensive experience and scaling-up technology and know-how, we support product launches and mass production.

Miccheal Chemical Co., Ltd.

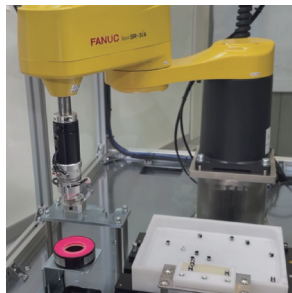
Miccheal Chemical Osaka Office
1-8-10, Niitaka, Yodogawa-ku, Osaka City



HP

05 Marushin Co., Ltd.

[Exhibited Products & Technologies]
Various Automation Devices
(Labor-saving and Robot Systems)



A Diverse Range Of Automation Devices that Promote Automation and Efficiency Across Various Industries

● Product Details

Marushin provides production equipment, lines, and systems aimed at automation, labor-saving, and efficiency improvement for various industries, including automotive, electronics, semiconductors, medical, and food. For example, automated production lines utilizing industrial robots are mainly active in the automotive and automotive parts industries. Assembly lines incorporating laser processing and welding equipment, as well as inspection lines equipped with vision systems that aid quality control, contribute to fields such as electronics, semiconductors, and medical.

● About the Company

Founded in 1951 as a manufacturer and seller of welding machines and various machine tools, we now operate as a trading company with factories in Mie Prefecture, Kumamoto Prefecture, and Thailand, manufacturing and selling processing machines, assembly machines, inspection machines, and more. In addition to handling industrial robots and press equipment used across industries like automotive, semiconductors, and medical, we also design and develop production systems. We strive not only to meet market needs but also to create new demands, working to establish unique design and manufacturing technologies.

Marushin Co., Ltd.

4F Chiyoda Bldg. East
2-9-4, Higashi Temma, Kita-ku, Osaka City



HP

06 SYSTEM-I Co., Ltd.

[Exhibited Products & Technologies]
Integrated CAD/CAM Software
“HandyCAD Mark II”



Consistent NC Verification Optimization of the Manufacturing Flow

● Product Details

The integrated CAD/CAM software “HandyCAD Mark II,” specialized in 2D and 2.5D, allows functionality to be added via add-ons, enabling a wide range of solutions from architecture and civil engineering to design and manufacturing. Its intuitive interface is easy for beginners to use and supports everything from drawing creation to generating machining data and verifying operations. Additionally, the simulation software “NC Viewer” allows users to preview NC data in advance, helping prevent machining errors and efficiently reducing labor hours.

● About the Company

Founded in 1987, we are one of the few CAD/CAM software manufacturers in Japan that has long supported problem-solving for the manufacturing industry. With the motto “Faster, Easier, More Accurate,” we achieve improved efficiency and precision from design to manufacturing through our software and applications. We provide comprehensive support from implementation assistance to operation support and education/training. Recently, we have also focused on developing and proposing DX management tools to enhance productivity and work efficiency.

SYSTEM-I Co., Ltd.

5F Reid-C Shin Osaka Bldg.
5-3-8 Nishi Nakajima, Yodogawa-ku, Osaka City



HP

07 CHUO ELECTRIC WORKS Co., Ltd.

[Exhibited Products & Technologies]
Appearance Inspection Software
Equipped with Image Recognition AI



Achieving Labor and Manpower Savings in Inspection Tasks through Image Inspection AI

● Product Details

The exhibited appearance inspection software is equipped with image recognition AI, enabling labor-saving of visual inspection tasks such as checking for scratches, defects, and color unevenness. Its intuitive and easy-to-understand interface allows anyone to use it effortlessly, regardless of their level of expertise. The software can be flexibly customized according to products and applications, and proposals including complete systems with peripheral devices such as optical equipment and conveyor systems are also available. The software uses a one-time purchase license model, meaning no additional costs after implementation.

● About the Company

We are a manufacturer that supports product testing and inspection processes, mainly through contract development of test, measurement, and control systems, as well as image inspection systems that utilize our proprietary AI technology. We carry out manufacturing in accordance with our clients' requests, providing comprehensive support from the planning stage through design, development, and post-delivery support. We tailor our manufacturing processes to meet client requirements, providing comprehensive support from the planning stage through design, development, and post-delivery support. Leveraging the robust technology and extensive experience cultivated over nearly 100 years since our founding, we deliver optimal solutions that address customer challenges and contribute to labor-saving and efficiency improvements in their operations.

CHUO ELECTRIC WORKS Co., Ltd.

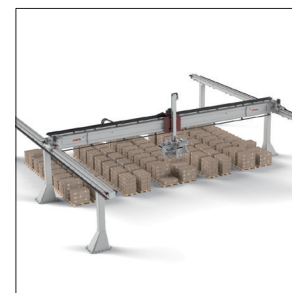
2-7-12, Uchindai-cho,
Miyakojima-ku, Osaka City



HP

08 Teijin Engineering Limited

[Exhibited Products & Technologies]
Automated Heavy Load
Transport System



Transporting Heavy Loads with High Precision and Low Noise

● Product Details

Among automated transport systems, we specialize in the design and construction of heavy load transport systems. We can automatically transport products weighing approximately 10 to 1,000 kg, and builds control systems linked to higher-level host data. We also have a track record of transporting products weighing up to 4 tons. Additionally, by performing CAE analysis in-house and using 3D simulation software for takt time verification via video, it can evaluate system performance and safety. Teijin Engineering integrates mechanical and electrical engineering to respond precisely to clients' detailed needs.

● About the Company

Established in 1978, our company is based on the engineering capabilities cultivated at Teijin Group's production sites. We provide total engineering services, including conceptual design, basic design, detailed design, equipment manufacturing, and maintenance, in business fields such as “automation and labor saving,” “environment and energy,” and “plant, construction, and maintenance.” Through valuable engineering solutions, we propose solutions to the issues faced by our clients.

Teijin Engineering Limited

Higobashi Shimizu Bldg.
1-3-7, Tosabori, Nishi-ku, Osaka City



HP

09 Hanshin Neji Co., Ltd.

[Exhibited Products & Technologies]
Special Nylon-Based
Locking Fastener
“Nylok”

“Nylok” Delivers
Maximum Anti-Loosening
Performance!



● Product Details

The stocked processed product, “Nylok,” is a locking solution featuring coatings of resin, adhesive, and lubricant on the screw threads. It is extremely vibration-resistant and prevents loosening, trusted for use in critical parts where loosening could cause major accidents — such as NASA satellites, Shinkansen components, and automotive parts. Nylok’s unique features also include a reusable locking function and high versatility, allowing customization.

● About the Company

Since its founding in 1947, our screw trading company has been manufacturing a wide range of connecting parts, from JIS standard screws to special bolts. With offices in Osaka, Thailand, and Mexico, we can quickly respond to product supply and procurement needs through our extensive domestic and international network. Guided by the motto, “Contributing to manufacturing worldwide,” we strive to deliver safe and reliable Japanese screws to the world and support the resolution of as many challenges as possible, with all employees dedicated to their daily tasks.

Hanshin Neji Co., Ltd.

3-2-7, Oohiraki, Fukushima-ku, Osaka City



HP

11 KAMIYA SAW & KNIFE MFG. CO., LTD.

[Exhibited Products & Technologies]
Thin-Type Cold Saw for Steel

Cutting and Machining Challenges —
Consult Directly with
Our Blade Experts at the Booth



● Product Details

Our cold saws (circular saws) for steel can cut various metals such as iron, stainless steel, and copper at high speed and with high precision. Because each saw is custom-made, the saw blade body features high rigidity, and optimal blade shapes and tip materials can be selected according to the cutting environment. Additionally, we can propose the best coatings tailored to your application. Compared to conventional products, our saws achieve higher-quality, longer-lasting cut surfaces.

● About the Company

Since our founding in 1953, we have been pioneers in custom-made industrial cutting tools, supporting cutting technologies across domestic and international industries. By combining state-of-the-art machining equipment with skilled craftsmanship, we manufacture high-quality blades and special cutting tools. We value a sincere approach to customer requests and always consider “how can we make it possible?” Under our flexible production management system, we maintain a manufacturing environment that meets diverse needs.

KAMIYA SAW & KNIFE MFG. CO., LTD.

4-10-23, Hirano Nishi, Hirano-ku, Osaka City

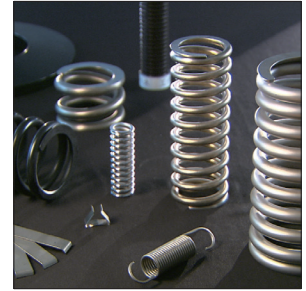


HP

10 Tokai Spring industries, Inc.

[Exhibited Products & Technologies]
Spring Testing, Evaluation and
Maintenance Services

Expert Solutions for
Spring Testing, Evaluation,
and Maintenance Challenges



● Product Details

Utilizing the long-standing spring manufacturing technology and expertise, Tokai Spring conducts comprehensive evaluations, including dimensional and load measurements, microstructural observations, fatigue testing, and fracture surface analysis, to identify the causes of product defects and propose optimal designs. We also offer inspection services for springs in use, providing not only deterioration diagnosis but also restoration services such as re-shot peening and repainting. We accept orders for even a single item and contribute to optimization according to the application and environment. Face-to-face consultations with our engineers and detailed reports are also key features of our service.

● About the Company

Founded in 1934 as a specialized manufacturer of metal springs, we focus on fully custom-made, made-to-order production. We specialize in small-lot production of a wide variety of springs, and can handle a wide range of shapes, including compression, tension, and torsion. Our products are used in high-value-added fields such as aerospace, power plants, and machine tools. Combining traditional craftsmanship with an IT-enabled management system, we achieve high precision and stable quality while providing consistent support from design through post-shipment. Certified to ISO 9001, 14001, and 9100 standards.

Tokai Spring industries, Inc.

12F Nishi Honmachi Intes
2-3-10, Nishi Honmachi, Nishi-ku, Osaka City

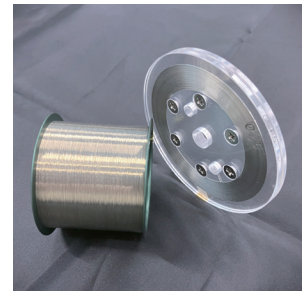


HP

12 Uchihashi Estec Co., Ltd.

[Exhibited Products & Technologies]
Ultra-Fine Rosin-Core Solder Wire
“Rosin Solder Wire”

Thinner than a Hair,
Thinner than Paper —
Rosin-Core Solder Wire



● Product Details

We will display “Rosin Solder Wire,” featuring ultra-fine wires as thin as 0.07 mm—the smallest diameter, thinner than a human hair and finer than paper—with product variations available in increments of just 5 μ m. This enables micro-soldering on narrow-pitch electrodes—something extremely difficult to achieve with solder paste—while also ensuring precise, consistent solder volume. The exhibition will extend to “Rosin Solder Tape,” produced by rolling the Rosin Solder Wire into a tape form.

● About the Company

Founded in 1918, we are a long-established solder and thermal fuse manufacturer. Leveraging over a century of alloy production and processing expertise, our solder products include specialized items such as ultra-fine wires, flux-cored solder, and low-temperature solder, designed for highly specific applications. We also offer customization of material blend and form to meet the unique requirements of our clients. Our thermal fuse products hold a top market share among Japanese companies, providing distinctive safety components with proven reliability.

Uchihashi Estec Co., Ltd.

3-5-36, Imazu Kita, Tsurumi-ku, Osaka City

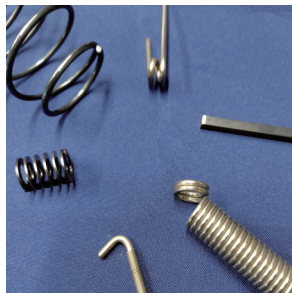


HP

13 NISHITO SPRING MFG. & Co., Ltd.

[Exhibited Products & Technologies]
Design and Proposal
of Metal Springs

Spring Manufacturing Technology
that Helps Engineers and
Field Engineers Solve Problems



● Product Details

Springs are unique components that function by deforming themselves, without combining parts like screws or gears. Although they offer high design freedom, it's often difficult to find the right solution, and they may not function as expected. Therefore, prototyping and testing springs is indispensable. Nishito Spring's strength lies in design, proposals, prototyping, and testing backed by extensive experience and proven results. We invite you to experience our spring manufacturing expertise, which we believe helps solve challenges faced by engineers and workplaces worldwide.

● About the Company

Founded in 1946, we are a spring manufacturer with a production record of over hundreds of thousands of types. We propose springs that can be used in various settings, such as offices and airports, and work with our customers to determine the optimal specifications from the design stage. We handle everything from automated mass production with machines to skilled manual work, flexibly responding to urgent needs, unprecedented applications, and highly demanding requirements. We always keep our customers' futures in mind, continuously pursuing better product creation.

NISHITO SPRING MFG. & Co., Ltd.

3-9-29, Fukae Minami, Higashinari-ku, Osaka City



HP

14 Origin Shoji Co., Ltd.

[Exhibited Products & Technologies]
Reverse Input Cut-Off Clutch
(Lock/Free Type)

Realizing Energy-Saving and
Efficient Power Control



● Product Details

Conventional brake lock mechanisms mainly use products that utilize electricity, such as electromagnetic clutches and motors. However, this reverse input cut-off clutch does not use electricity and controls power transmission. It enables the miniaturization, simplification, and energy saving of the mechanical device itself, and also allows switching between electric and manual modes. Applications include electric curtains, electric assist bicycles, and automatic doors. By providing energy-efficient and efficient power control, this part contributes to improved performance and reliability of mechanical devices.

● About the Company

We are a technical trading company dealing in electronics, mechatronics, and chemical-electronic products, providing carefully matched products and information based on client needs across industries. We offer a wide range of products, including electronic components that meet labor-saving needs and improve product development efficiency, various mechanical parts that are widely used in the OA equipment and financial equipment industries, and synthetic resin paints and chemical products that are used in automobiles, home appliances, and building interiors and exteriors.

Origin Shoji Co., Ltd.

Suite 812, Osaka Ekimae 4th Bldg.
1-11-4-800, Umeda, Kita-ku, Osaka City

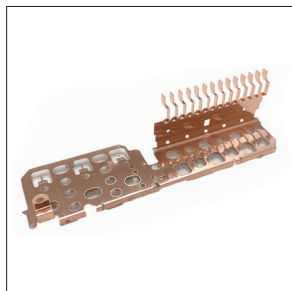


HP

15 Kasatani Corp.

[Exhibited Products & Technologies]
Precision Pressed Products and
Insert Molded Products

Unmatched Accuracy in
Press Processing and
Insert Molding



● Product Details

Our strengths lie in press working and insert molding. Press working is our specialty, using presses ranging from 25 to 500 tons to process products according to specifications. On the other hand, insert molding utilizes vertical rotary molding machines with electric motor specifications of 220 tons and 150 tons, enabling us to provide high precision and high-quality products. In particular, we specialize in manufacturing products that accommodate high current demands, such as components for electric vehicles (EVs). Overseas, we have factories in Malaysia and China, where we also perform press processing and insert molding.

● About the Company

Founded in 1954 as a manufacturer of automotive leaf springs, we now focus on precision metal and plastic products, with a particular emphasis on manufacturing parts for automobiles and home appliances. We offer a comprehensive range of services, from mold design to mass production processing for small to large parts, high-precision, high-quality insert molding using large vertical molding machines, and functional inspection of molded products. We actively pursue the development of new technologies and challenge ourselves to create world-first innovations in manufacturing.

Kasatani Corp.

3-2-34, Mitsuyanaka, Yodogawa-ku, Osaka City

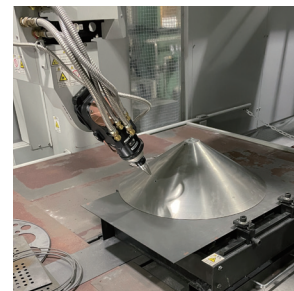


HP

16 AOTO KINZOKU Co., Ltd.

[Exhibited Products & Technologies]
Spinning, 3D Laser Cutting
Fiber Welding

Combining Traditional Spinning
with Digital Technology



● Product Details

Our core technology is spinning, which involves rotating a metal plate against a mold while pressing it with a tool to induce plastic deformation. In addition, by incorporating advanced digital technologies such as 3D CAD/CAM, NC spinning machines, 3D measurement, 3D laser processing machines, and fiber welding equipment, we handle everything from precise small parts to large components over 1 meter in size. Recently, our parts have been adopted in structures like the Osaka-Kansai Expo and Grand Green Osaka.

● About the Company

We are one of the few manufacturers in Japan that combines highly skilled and difficult spinning with laser cutting and welding to process sheet metal parts. The expertise accumulated by our skilled workers has been quantified and standardized, ensuring traceability of materials, parts, and processes. We prioritize product quality and safety, continuously working to improve quality. Our products serve diverse needs, from lighting fixtures and medical devices to large parts used in special applications.

AOTO KINZOKU Co., Ltd.

1-30-18, Hanaten Higashi, Tsurumi-ku, Osaka City

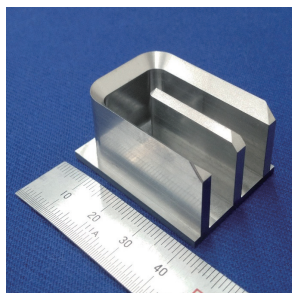


HP

17 SEIKO SEIMITSU Co., Ltd.

[Exhibited Products & Technologies]
Cutting (MC) Processing Technology

Ultra-Precision Processing
for Complex Shapes
Demanding High Accuracy



● Product Details

Our cutting technology utilizes state-of-the-art equipment such as 5-axis machining centers to smoothly process complex products and parts that require high precision. They specialize in the delicate processing of palm-sized parts and mainly engage in the prototyping and manufacturing of precision parts for the automotive and semiconductor industries. We handle a wide range of materials, including aluminum, stainless steel, iron, and copper. We manage the entire process from welding, heat treatment, grinding, to surface treatment, and our dedicated inspection team conducts inspections using equipment capable of measuring down to 0.001mm.

● About the Company

We are a precision parts manufacturer whose corporate philosophy is “Grow into a manufacturer with a strong commitment to quality and solve the world’s manufacturing challenges” and “Turn ideas into reality immediately.” We utilize our processing technology and extensive domestic and international network to quickly solve the manufacturing challenges faced by researchers, developers, and companies in various fields. We are committed to innovation in order to quickly implement new products and services.

SEIKO SEIMITSU Co., Ltd.

1-4-35, Namiyoke, Minato-ku, Osaka City



HP

18 matsui seisakusyo Co., Ltd.

[Exhibited Products & Technologies]
Precision Processing of Non-Ferrous
Metals

Comprehensive Support from
Forging to Cutting and Inspection



● Product Details

Our strength lies in integrated production, from hot forging of brass to cutting processing of non-ferrous metals such as aluminum, stainless steel, brass, and copper, as well as durability testing and leak testing. For brass products, we manufacture components related to water heaters and air conditioning equipment, such as valves, fittings, and piping parts. For copper products, we produce semiconductor-related parts; for aluminum products, medical device-related components—supporting various industries. Based on information gathered from clients, they engage from the design phase, proposing optimal shapes and cost solutions.

● About the Company

We are experts in non-ferrous metal processing with three domestic factories (Osaka, Tottori, and Himeji) and one overseas factory (Jiangsu Province, China). We handle everything from development to manufacturing of various control devices related to gas appliances, water and air conditioning systems, semiconductors, medical devices, and commercial kitchen equipment. Recently, we have developed jigs and products using 3D printing technology. We employ carbon-reinforced nylon resin with strength equivalent to aluminum 6000 series to develop mounting fixtures for places where metal cannot be used.

matsui seisakusyo Co., Ltd.

4-1-23, Nagata, Joto-ku, Osaka City



HP

19 Nippon Wico Co., Ltd.

[Exhibited Products & Technologies]
Aluminum Alloy Connecting Rods

Contributing to Solving Various
Challenges
such as Miniaturization, Weight
Reduction,
Low Vibration, and Low Noise



● Product Details

A connecting rod is a part used in internal combustion engines and compressors that converts rotational motion into reciprocating motion. While over 90% of connecting rods are made from iron-based materials, our company specializes in aluminum alloy connecting rods. We select materials suited for three main manufacturing methods—forging, casting, and die casting—to achieve miniaturization, weight reduction, low vibration, and low noise, thereby addressing challenges across various industries. In recent years, demand has expanded beyond internal combustion engines and compressors, showing a broadening range of applications.

● About the Company

We are a specialist manufacturer of aluminum alloy connecting rods, which are key components of engines and compressors and important safety parts. We can handle orders ranging from a single prototype to hundreds of thousands of units per year, producing more than 250 types of connecting rods every month. Our connecting rods are used in a wide variety of applications, including general-purpose engines, small engines, marine engines, kart engines, radio-controlled engines, and air conditioning/refrigeration compressors. With the motto “Exceeding Customer Needs,” we continue to pursue further advancement.

Nippon Wico Co., Ltd.

3-6-2, Shouji, Ikuno-ku, Osaka City

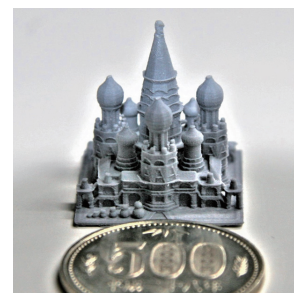


HP

20 Q-ho Metal Works Co., Ltd.

[Exhibited Products & Technologies]
Ultra High-Definition Filament-Type
3D Printer “Qholia”

A Domestically Produced 3D Printer
that Combines High Precision and
Aesthetic Expression
with Unparalleled Intricacy



● Product Details

Filament-type 3D printers have traditionally been criticized for their rough finishes, but “Qholia” has overturned this conventional wisdom, achieving smooth, high-definition finishes comparable to those of stereolithography. While retaining the ease of use of filament-type printers, “Qholia” offers high versatility, allowing users to freely select materials, and provides overwhelmingly high-quality finishes that meet the needs of professional users. Additionally, the service is designed to be accessible even for 3D printer beginners, with the developer providing support from setup to operation, ensuring a robust service infrastructure.

● About the Company

With the motto “Creating What Doesn’t Exist,” we specialize in planning, developing, manufacturing, and selling our own branded products. Our products have won multiple prestigious awards such as the “Good Design Award” and the “JID AWARD,” recognized for our high design and functionality. Recently, the “Qholia” 3D printer was nominated for the business magazine Forbes JAPAN’s “SMALL GIANTS AWARD,” boosting our reputation in the DX (digital transformation) field.

Q-ho Metal Works Co., Ltd.

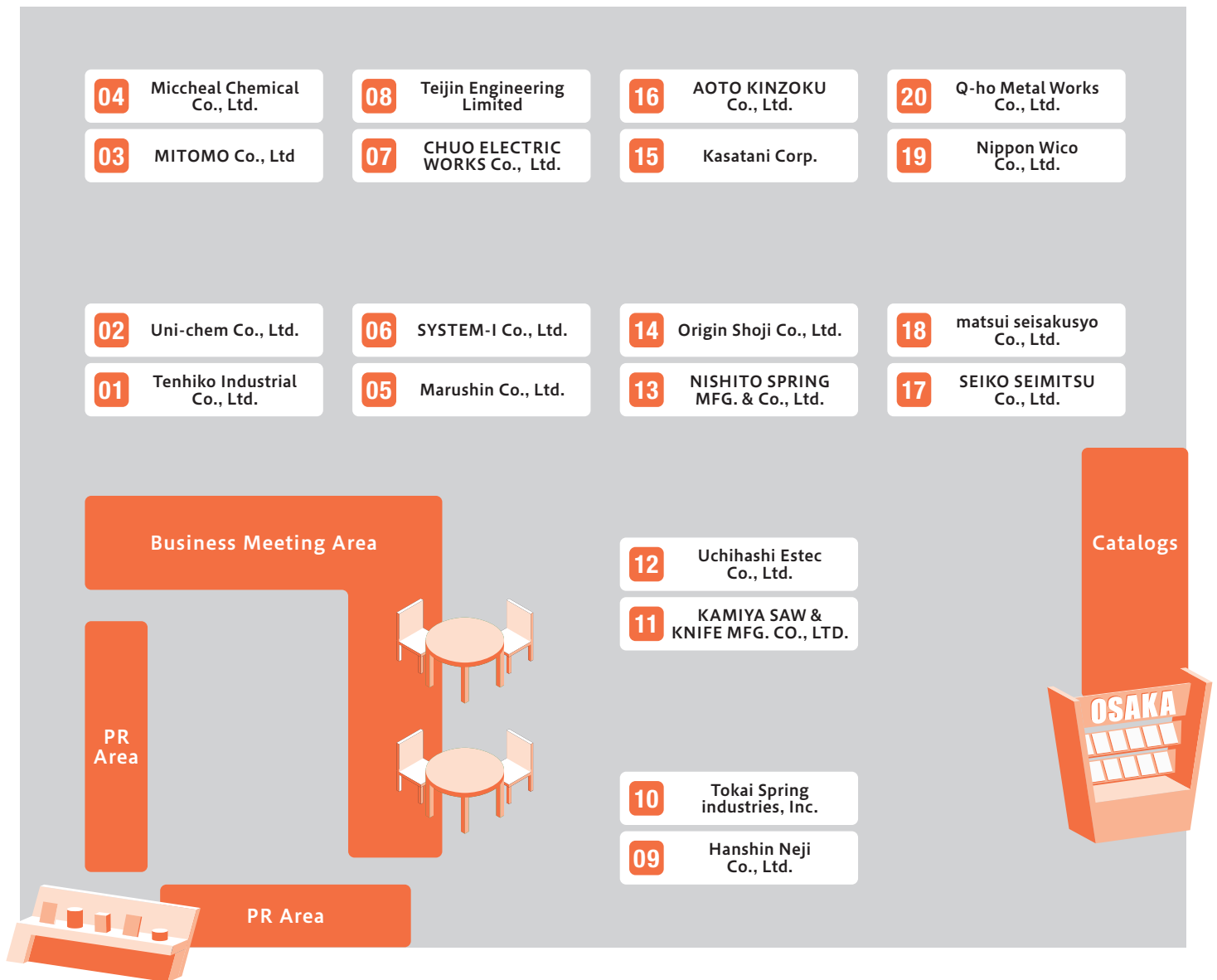
5-2-25, Ima Fukunishi, Joto-ku, Osaka City



HP

GLOBAL-TEX 2025 Booth Map

Manufacturing World Osaka
2025 10/1 **Wed.** ▶ 10/3 **Fri.**



About the Large-Scale
Exhibition Utilization Program

“GLOBAL-TEX”

For the GLOBAL-TEX
project page,
please scan this QR code.



GLOBAL-TEX is a joint exhibition program for Osaka-based small and medium-sized enterprises with a strong desire **to take their first steps into overseas markets** or **to further expand internationally**. Prompted by the Osaka-Kansai Expo 2025, these companies will exhibit together at four large-scale trade shows held at INTEX Osaka. **With each connection—whether domestic or international—we hope to cherish the spirit of "Ichigo Ichie (treasuring once-in-a-lifetime encounters)" and build relationships that continue to flourish for many years. This wish lies at the heart of the project.**

Contact

Email Address gtex_monozukuri@obda.or.jp

Website <https://www.obda.or.jp/en.html>

HP

