

The future of
agriculture and farm
automation starts here.

Innovative technology that advances your design.



Next-gen technology will be *smaller, lighter, faster.*



OEMs rely on KOGANEI for advanced pneumatic, fluid-handling, and electrical automation components and assemblies.



How do you differentiate your product in a crowded OEM market? The machinery of the future will be more compact and portable, fitting more easily into people's lives. It will do more using less power, delivering precision performance in factories and in the field.

Reducing component size is critical to bringing this increased functionality into tighter spaces and more easily transportable equipment. However, miniaturization can present serious challenges to traditional manufacturing automation, material handling, and packaging systems.

No one understands miniaturization better than KOGANEI. For more than 85 years, we have helped our customers design and build game-changing equipment with miniature components. Let us put our innovation and expertise to work for you!

KOGANEI Global Presence

Founded in Japan in 1934, KOGANEI has been providing precision automation components and custom solutions globally to the semiconductor, electronics and medical industries for more than 85 years. Our state-of-the-art manufacturing processes and equipment ensure quality and consistency. With machinery being shipped around the world, it is important to partner with a company with global presence. With KOGANEI entities in 7 countries and a sales and logistics network in over 30 countries worldwide, KOGANEI has true global reach.

KOGANEI International America Inc., headquartered in Fremont, California, provides application and product support and is the logistics and stocking center for our customers in the Americas.

The capacity and flexibility to deliver.

To further accelerate the development process, our engineering team in Japan can work while the US is asleep to provide answers the following day. Our expansive manufacturing capabilities allow us to make your components quickly once designs are finalized. We will even stock your final product for you and carry custom assemblies as a single part number.



Accelerate your development process.

With years of experience, our application engineers have created solutions for most design challenges. Our proven process optimizes your design for usability and manufacturability from day one.

Step 1: Understand & Define Your Application

We work closely with you to understand every aspect of your application up front.

Step 2: Test & Evaluate Possible Solutions

We develop your prototype and work with you to test thoroughly, making adjustments if needed for functionality, volume, schedule, or budget.

Step 3: Pre-production Order

We confirm every last detail before scheduled production and shipments begin.

Tap into our global supply chain.

Looking for help to reduce your manufacturing time? A reliable supplier? Look no further. Over decades, we've established a network of quality sources, specialty manufacturers, and assembly options, so you will always enjoy the lowest costs and fastest delivery.

Unexpected orders? No problem.

We can carry dedicated safety stock so you can accommodate your customers' changing requests without holding extra inventory. Our U.S. Logistics Network will ensure you have the product you need when you need it.



We listen, collaborate, and deliver the best result.

Expedited delivery from our U.S. Logistics Network.

Unique technology that enhances your product.



Optimized designs with a variety of sizes and styles to fit almost any application.

Standard Products

When designing a next generation machine, you need to have options. With more than 512,000 standard products we provide just that. Our engineering team can assist you in specifying the component that best fits your needs. With the variety of technologies we offer, along with our engineering expertise, we often combine products into custom sub-assemblies, so you always get the best possible solution. Your assembly will have one-part number from a single source, minimizing the number of vendors and potential delays.
























Engineered Specials

With many applications, there are times when you need something special. In those cases, our engineering staff will work with you to design and develop a custom solution to optimize your machine's functionality and performance. From design to delivery, we are with you every step of the way. A custom product with unique part number is also a great way for OEMs to secure their MRO business while providing value add.

Unrivaled Quality

The cost of failure on a new product is higher than ever. That's why we 100% test every single component before shipping, preventing expensive changes or rework. Our facilities are ISO 9001 and ISO 14001 certified, and in RoHS compliance.

The Advantages of KOGANEI Technology

| | Miniaturization | | Accuracy and Repeatability | | Unique Performance | | Longer Life | | |
|----------------------------|---|---|---|---|---|---|--|--|--|
| V A L V E S | 005 Series Micro Valves  5.9 mm Width | F-AVPN070 Fluoropolymer Valves  High Flow in Small Envelope | PVR Series Media Isolation Valves  Low 35µl Dead Volume | KFPV Series Proportional Flow Valves  Repeatable to ±2% F.S. | iB-Zero Series Valve Manifolds  Fast, Simple Assembly | iB-Flow Series Digital Flow Controls  Stepper Driven Needle Valve | F Series Valves and Manifolds  100+ Million Cycles | K Series High Speed Valves  Up to 1 Billion Cycles | |
| | A C T U A T O R S | PBDA Series Pen Cylinders  from 2.5 mm Bore | MBDA Series Mini Bit Cylinders  from 4.5 mm Bore | MGA Series Mini Guide Sliders  ±0.0002" Running Parallelism | AFDPG Series Flat Grippers with Guides  Minimal Finger Backlash | MRV Series Rodless Cylinders  Low Speed to 8 mm/s | NHL Series L-Hand Grippers with Guides  Superior External Gripping Force | BC Series Compact Cylinders  15 Million Cycles | BCG Series Guided Actuators  10 Million Cycles |
| | | O T H E R S | RN100 Series Pressure Regulators  23 mm Square Body | Air Picker Rubber Hand Grippers  from 8 mm Diameter | PRS100 Series Precision Regulators  ±0.15 psi Sensitivity | EW2H Series Electric Grippers  Positioning Accuracy ±0.05 mm | iB-Cyclone Air Line Water Separators  No Filter Element To Replace | PAU Air Conservation Pulse Units  Reduces Air Use by up to 50% | DTY-ELF14 Fan Type Ionizers  No Routine Needle Maintenance |

We make great designs even better.

We 100% test EVERY product before it ships.



Rice Sorter

Challenge: Finding pneumatic valves with fast switching times that are highly repeatable and can provide sufficient air flow to eject the defective product, yet small enough to fit multiple units into a single machine.



Solution: Our **K2 Series** high-speed valve achieved a flow rate of 0.11 Cv with response times of 0.5 ms ON and 1.0 ms OFF, all within a compact 10 mm wide body, allowing us to mount 50 valves onto a custom manifold assembly.



Dairy Equipment

Challenge: Ensuring that the control components used in process equipment are capable of withstanding the harsh environments and cleaning agents.



Solution: Our **TAC Series** of manual and mechanical pneumatic valves and accessories are nickel plated for high corrosion resistance and provided basic pneumatic logic and control functions across multiple applications.



Produce Tumble Washing Equipment

Challenge: Redesigning a control cabinet to reduce overall size without sacrificing custom valve manifold functionality or the ability to easily assemble and perform maintenance.



Solution: Our versatile **F Series** valve manifolds could be configured to provide the customer's required functionality using standard components and were easily installed and plumbed in a smaller envelope than their predecessors.

Agriculture and Farm Automation

- Planting
- Harvesting
- Packing
- Processing
- Conveying
- Pesticide Spraying
- DNA / GMO Analysis
- Sort Gates
- Iodine Spraying Control
- Sequencing Gates
- Neck Rail Gates
- Hoof Care Dispense Systems
- Rice Sorting
- Fruit / Vegetable Sorting

> Please click on the applications above to go to our website for more information.

Versatility and performance from the field to distribution.

KOGANEI is committed to your success from concept, to initial design, to final delivery and beyond.



* Headquarters

Focused on providing industry leading pneumatic, fluid handling, and electrical automation components and assemblies for the OEM market

Think KOGANEI

 **KOGANEI**
International America, Inc.

48860 Milmont Drive
Fremont, CA 94538

1-855-564-2634

www.koganeiusa.com

solutions@koganeiusa.com