

The future of material
handling & warehouse
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.

Unrivalled 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.



Pallet Stop Assemblies

Challenge: Prolonging the life of stopping mechanisms designed to handle the high loads and cycle counts associated with pallet conveyors.



Solution: We analyzed the customer's failed shock absorbers and developed a drop-in replacement using our **KSHJ Series** with linear orifice design, extending the life of their equipment and reducing warranty claims.



Drop Bin Slide Gates

Challenge: Designing a compact, long-stroke drive assembly capable of the high forces required to quickly open and close the slide gates at the bottom of package sortation drop bins.



Solution: The oval piston of our **ORV Series** rodless cylinders generated the necessary actuation force in a low profile package, enabling the customer to easily mount the system within their space constraints.



Sliding Shoe Sorters

Challenge: Developing an actuation system for sliding shoe sorter diverters that is fast, highly repeatable and has a long life expectancy.



Solution: Our **KDV Series** high-speed actuator package provided the ideal combination of a robust, low-friction, compact cylinder with an integrated, direct acting poppet valve, yielding up to 30 million cycles.

Material Handling and Warehouse Automation

- Conveying
- Linear Tilt Tray Sorters
- Sliding Shoe Sorters
- Pop-Up Sorters
- Linear Arm Sorters
- Pusher Sorters
- Kicker Cylinders
- Pallet Stops
- End of Arm Tooling (EOAT)
- Storage and Retrieval
- Stacking
- Machine Loading
- Part Transferring
- Bulk Material Handling
- Paddle Sorters
- Gravimetric Feeders
- Garment On Hanger Sortation Systems
- Gravimetric Blenders

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

Durability and long-life through advanced engineering and design.

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

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