June 16,2025

Newsletter

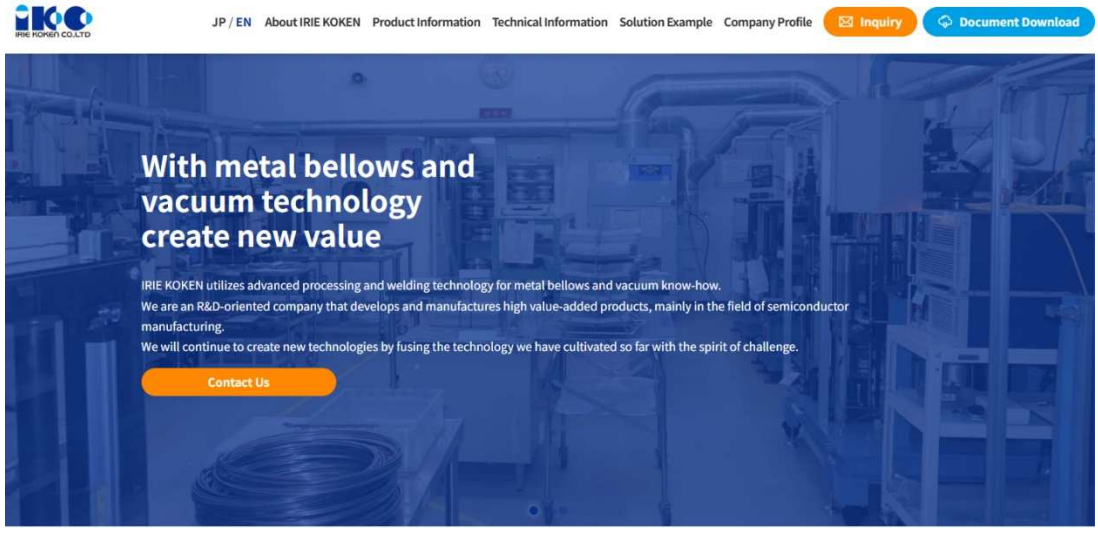
IRIE KOKOEN CO., LTD.

Releasing Previously Launched Products on Our Website

Aiming for a Sustainable Society for the Next 100 Years

The History of Irie Koken's Innovation and Sustainable Technology

Irie Koken Co., Ltd. (Headquarters: Chiyoda-ku, Tokyo; President: Norihiro Irie; hereinafter referred to as "our company"), which develops and sells bellows used in semiconductor manufacturing equipment and high-speed railways, will release 19 types of products, including bellows, valves, and equipment, which have not yet been published on our website, by the end of June 2025, in response to customer requests.



Our large gate valves have been able to meet customer needs of all sizes for generations since their initial release, showcasing our capabilities and achievements. We would like to once again convey our high level of technical expertise that only our company can provide.

Our activities have expanded into overseas markets, and we are engaged in research and development to create new value in vacuum technology. Our strengths lie in "developing and inheriting existing technologies" and "developing unique technologies that exceed customer expectations." We aim to nurture talent and continue development for technological advancement.

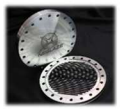
We hope you will understand our technology and products through the products that are the results of our technological development.

Note: Bellows refers to products with a repeated structure of mountain and valley folds made from materials such as paper, cloth, plastic, or metal. In the field of vacuum technology, the below generally refers to cylindrical metal products with folds that provide flexibility, airtightness, and spring properties. In other words, Bellows are expansion tubes.

■The list of previously manufactured products

NEG

■ Oxygen-Free Pd/Ti Coated Non-Evaporable Getter (NEG) Pump NEGLAZE®



A gas-absorbing vacuum pump that can achieve ultra-high vacuum below 10^-8 Pa when combined with dry pumps, turbo molecular pumps, etc.

Bellows

■ J-PARC 3GeV Synchrotron Correction Quadrupole Magnet Titanium Formed Bellows

Titanium formed bellows with RF contact function

■ JT-60SA Port Bellows

Welded bellows used in fusion facilities

■ Medical Long Welded Bellows

Welded bellows for transport in freeze-drying equipment

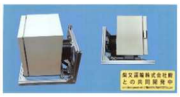
■ J-PARC 3GeV Synchrotron → MLF Beamline Large Beam Position Detector (Big-BPM)

600mm size pure titanium type 1 formed bellows

■ J-PARC 50GeV Both Ends RF Shield Formed Bellows

Components connecting the ring and vacuum exhaust device

■ Cell Transport Damper Bellows



Transport case to mitigate cell damage

■ J-PARC Delivered Products

Delivered products from monitor to bellows duct

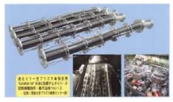
■ J-PARC 50GeV RF Contact Titanium Formed Bellows

Titanium formed bellows with RF contact function

■ Spring-8 XFEL Rectangular Tube RF Contact Welded Bellows

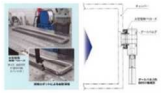
Welded bellows with internal rectangular RF contact

■ Tsukuba University GAMMA10 Long Welded Bellows



Long bellows used in vertical movement drive mechanisms

■ Large Rectangular Welded Bellows without Waves



Used to absorb discrepancies between the vacuum chamber and gate valve

■ Insulated Double Pipe Flex (Transfer Tube)

High insulation performance in the range of -196° C to 200° C

Valves

■ FFT Series Flat Seal Valve

An operational exhaust valve that eliminates film attachment and enables high vacuum

■ Reversing Valve

Reversing Valve

■ 300mm (12 inch) Gate Valve for Semiconductor Manufacturing Equipment

Recognized as an essential valve for semiconductor manufacturing equipment

Medical

■ Bellows for Surgical Support Robot Force Feedback Device

Welded bellows used as a force feedback device

Equipment

■ KEKB Mirror Chamber

SUS-made SR monitor with an oxygen-free copper beam duct

■ J-PARC 3GeV Synchrotron → MLF Beamline Proton Beam Profile Monitor (Driven Type)

Proton beam monitoring monitor with pure titanium vacuum contact parts

*Please note that availability may vary depending on specifications, and we will review each case individually.

Irie Koken Co., Ltd. Company Overview

Representative: President Norihiro Irie

Established: May 24, 1966

Capital: 150 million yen

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Tokyo 100-0011

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Access: Google Maps

Number of Employees: 200 (as of March 31, 2024)

For inquiries

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