



SINCE 1978

HANSUNG TECH

Major Products

OIL SEAL

O-RING

CYLINDER PACKING

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A Company That Puts Customer Value First, Hansung Tech Co., Ltd.

Greeting

Since its establishment in 1978, Hansung Tech Co., Ltd. has specialized in the production of Oil Seal, O-Ring, and Cylinder Packing. We are committed to delivering products quickly and with the highest quality.

Our commitment extends beyond simply meeting customer requests; we provide comprehensive sealing solutions, including product design and material development.

Recognizing that even a single second of downtime can result in substantial losses, our team is dedicated to visiting industrial sites and engaging in ongoing research and development to deliver optimal solutions.

At Hansung Tech Co., Ltd. customer value is our top priority. We ensure that our clients can concentrate on their core business by offering the best sealing solutions and services available.

Thank you for choosing us.

History

- 1970's**
 - 1978 ● Founded as Saehan Industry in Beomcheon-dong, Busanjin-gu, Busan

- 1980's**
 - 1984 ● Relocated to Suan-dong, Dongnae-gu, Busan
 - 1987 ● Relocated and renamed to Hansung Global Trading Company in Gaya 3-dong, Busanjin-gu, Busan
 - Built and relocated to a new factory at 389-11, Samnak-dong, Sasang-gu, Busan

- 1990's**
 - 1998 ● TCM, CGL, ROLL, CHOCK SEAL OEM supplier to HANSCO Co., Ltd. (Japan's HITACHI Corporation)
 - Signed a new product development agreement with the Navy Logistics Command
 - 1999 ● Designated as a partner company for Korea Electric Power Corporation
 - Established a second factory dedicated to new product development in 719-7, Mora-dong, Sasang-gu, Busan
 - Selected as a supplier for Pohang Iron & Steel Co., Ltd. (Gwangyang Steelworks) under a spot contract without inspection

- 2000's**
 - 2002 ● Registered as a supplier for Korea Railroad Corporation (Korail)
 - 2003 ● Registered as a supplier for Seoul Metro for O-Ring and Gasket

- 2010's**
 - 2014 ● Designated as a partner company for Korean Air
 - 2016 ● Signed a distributor agreement with SKF Seal Distributor
 - 2019 ● Transitioned to Hansung Tech Co., Ltd.

- 2020's**
 - 2021 ● Established a SMART Factory MES (POSCO support program)
 - Established a dedicated research department (for FFKM material research and development)
 - Established a global marketing department (China, Vietnam, Japan)
 - Obtained venture company certification
 - 2022 ● Obtained specialized company certification for materials, parts, and equipment
 - Completed construction of an Oil Seal and O-Ring logistics center
 - Obtained ISO 9001 and ISO 14001 certifications
 - 2023 ● Established a dedicated sales department for steel sealing technology
 - Obtained ISO 45001 certification
 - Obtained Inno-Biz certification for technology innovation as a small and medium enterprise
 - 2024 ● Obtained the first domestic environmental mark certification (O-Ring, V-Packing)
 - Obtained the first domestic ISO 14068 certification (O-Ring)



" Hansung Tech Co., Ltd. has consistently strived to deliver the best sealing solutions for the past 50 years. As we look to the future, we are committed to enhancing customer value by integrating customized services into our solutions for the next 50 years."

• Quality Assurance and Certifications

ISO 9001 certification

Strict quality control system ensures the highest level of quality

FDA grade

(O-Ring for food and pharmaceutical industries)

Provided as products that meet FDA standards for safe use in the food and pharmaceutical industries

RoHS compliant

Providing eco-friendly products by adhering to a Restriction of Hazardous Substances Directive

Environmental mark certification

First domestic company to obtain environmental mark certification (O-Ring, V-Packing product lines)

• Company Overview

Year established: **1978**

Domestic and international clients:
Approximately 7,500

Key sectors

**Steel industry,
machinery industry**

Global market

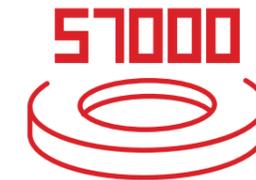
**China, Japan,
Vietnam, Singapore**

Established SMART FACTORY for

**process improvements and
defect rate minimization**

01

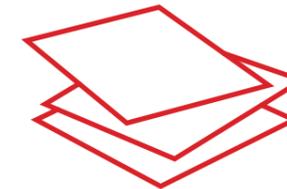
Molds



- Specialized equipment for small-scale production of various products
- Holds the largest number of molds in the sealing industry

02

Materials



- Extensive material portfolio applicable to various industries
- In-house capabilities for material blending and mixing (quick response to specific client specifications)

03

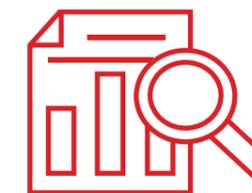
Service



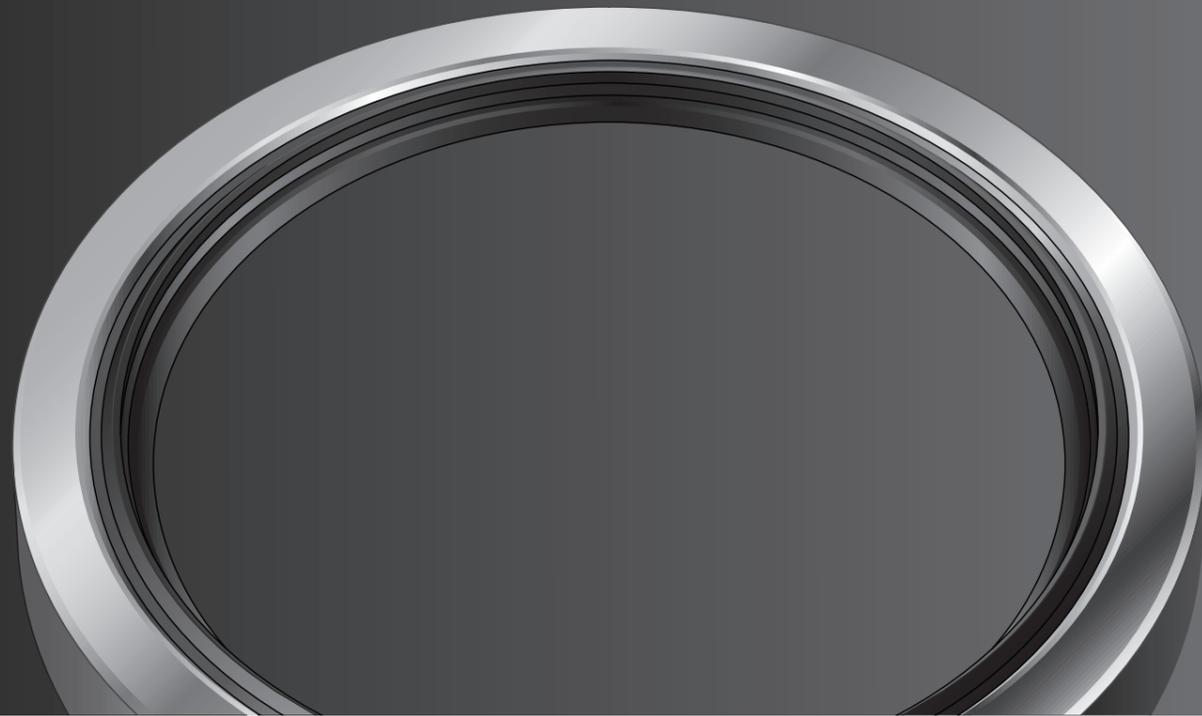
- Provides total sealing solutions through on-site diagnostics
- Capable of responding in multiple languages

04

Research and Development



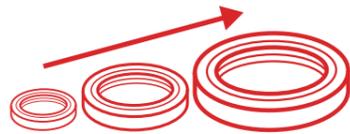
- Possesses research and development capabilities leading the latest technology trends and market demands (currently executing sealing projects for hydrogen and semiconductor industries)



OIL SEAL

HSC	HSB	HTC	HTB	HVC	HVB	HKC	HKB	HTCV	HTCN	HSBB	HMG	HDC
HDB	HMO	HMOX	HWT	HOKC3	HMOY	HVAJ	HKA3J	HSA1J	HZF	HZT	HVR	

• Product Features



Capable of producing large high-pressure Oil Seal for the steel industry (up to $\Phi 2000$)



Holds 23,000 Oil Seal molds

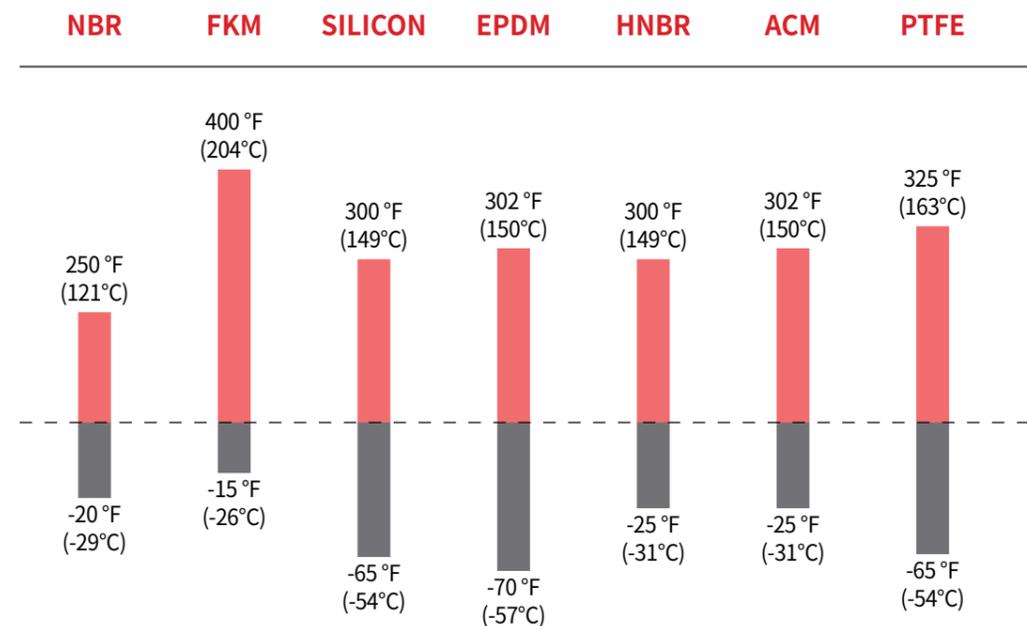


Capable of developing new special Oil Seal

• Applications

- Aerospace Industry** Aircraft engines, gearboxes, turbo fans
- Energy Industry** Pumps and compressors, drilling equipment
- Pumps and compressors, drilling equipment** Cranes, excavators, forklifts, heavy-duty vehicles
- Electrical and Electronics Industry** Shafts for electric motors and generators, transformers, switchgears
- Agricultural Machinery Industry** Tractors and combines (engines, transmissions, gearboxes, and drive shafts)
- Steel Industry** Blast furnaces and steelmaking equipment, rolling mills, casting machines, conveyor systems, cooling systems, etc.

• MATERIALS





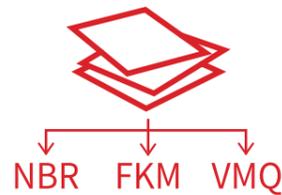
O-RING

JIS B 2401	KS B 2805	AS 568	ISO 3601	ISO 6149	BS 1806
SMS 1586	DIN 3771	NFT 4-501	BS 4518	Cord O-ring	O-Ring Kit

• Product Features



Global Standards Compliant



Separate molds by material



Development of materials with excellent heat and chemical resistance (FFKM, EPDM)

• Applications

Aerospace Industry Aircraft engines, landing gear

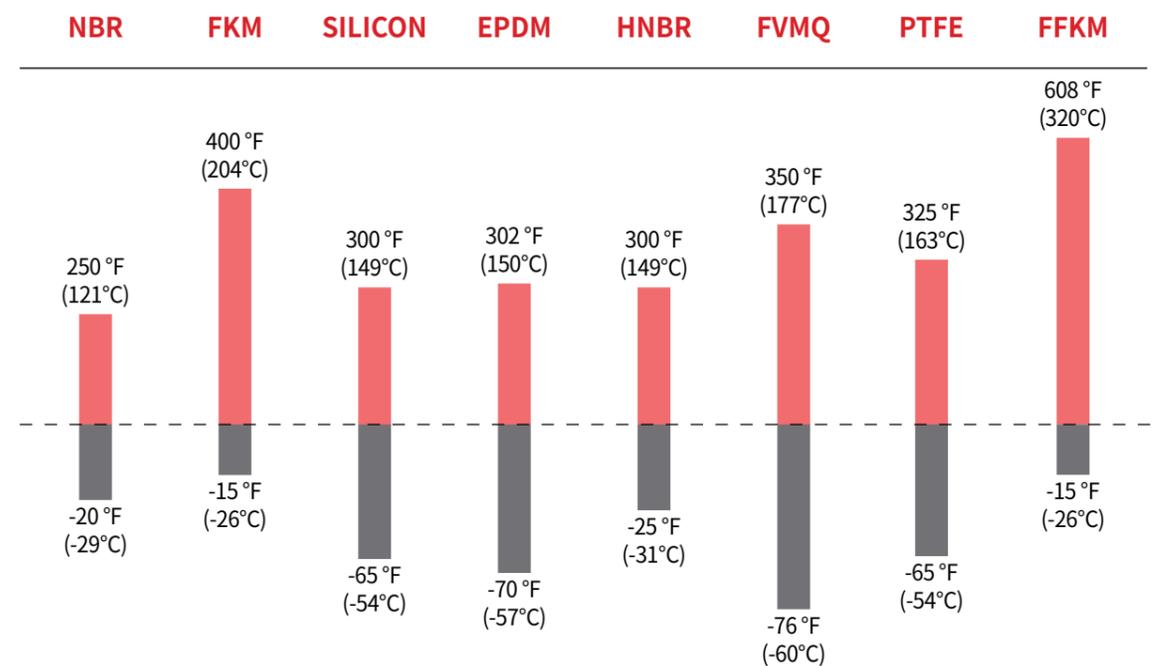
Energy Industry Pumps, compressors, drilling equipment, valves, fittings

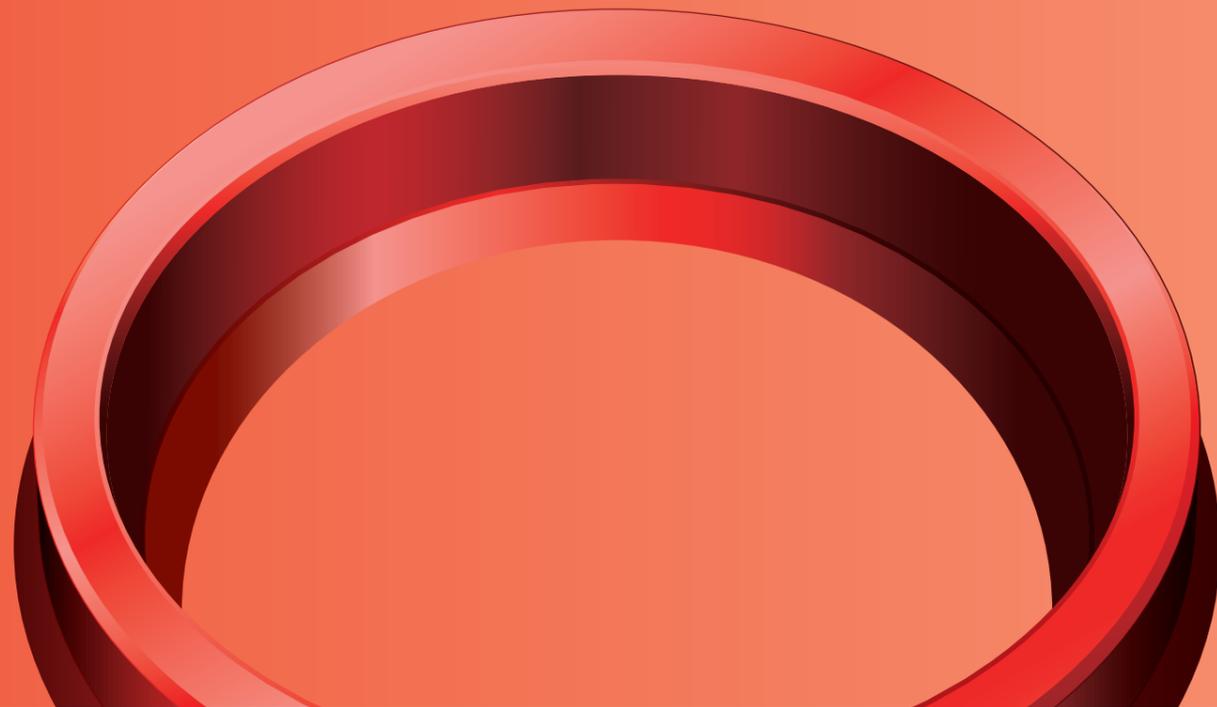
Food and Pharmaceutical Industry Filling and packaging machines, cleanroom equipment, mixers, blenders

Electrical and Electronics Industry Connectors, housings, batteries and energy storage devices, electric motors

Water and Wastewater Treatment Industry Pumps, valves, filter systems, tanks, storage systems

• MATERIALS

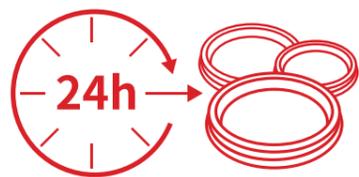




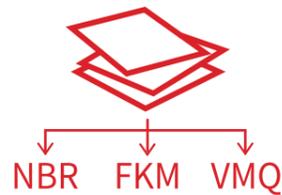
CYLINDER PACKING

PISTON SEAL	ROD SEAL	PISTON & ROD SEAL	DUST SEAL
BACK UP RING		WEAR RING	BUFFER RING

• Product Features



Custom products processed on the same day



Separate molds by material



Development of high-temperature, high-pressure materials (PU, NBR+FABRIC)

• Applications

Marine and Aerospace Industry Marine engines, aircraft hydraulic systems

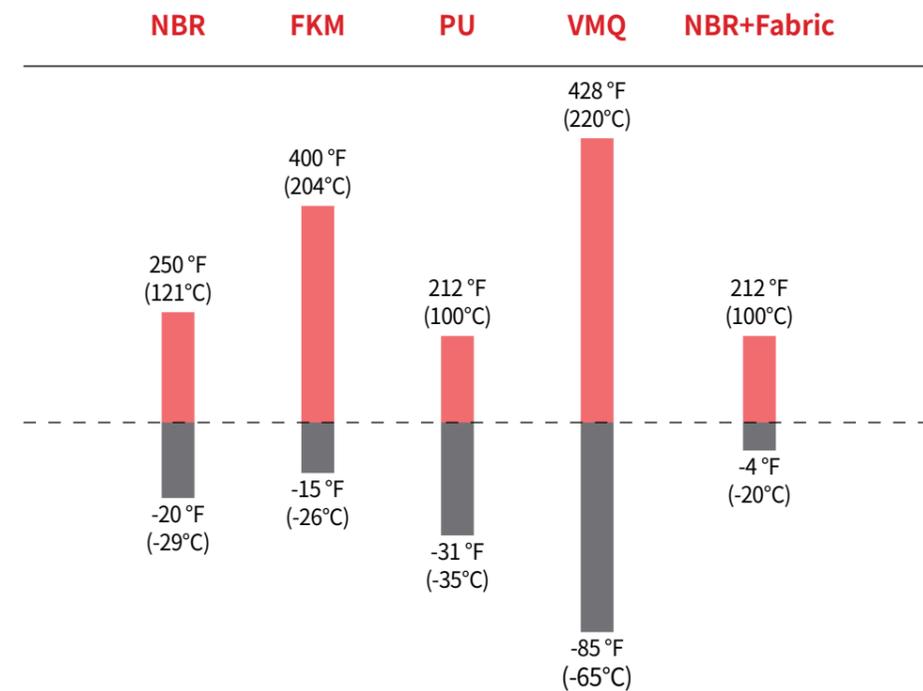
Energy Industry Crude oil drilling equipment, gas compressors, wind turbine hydraulic systems

Construction and Heavy Equipment Industry Hydraulic systems for excavators, bulldozers

Food and Pharmaceutical Industry Pneumatic systems for filling and packaging machines

Robotics Industry Pneumatic systems for robotic arms, grippers, and mobile robots

• MATERIALS



01. LIP SEAL



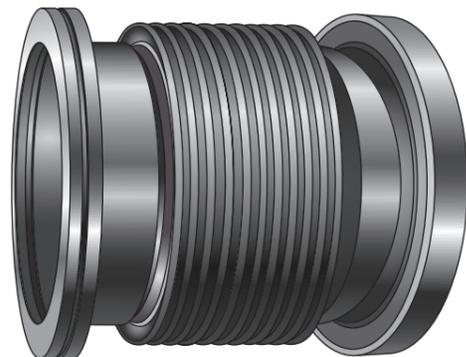
02. Mechanical Seal



03. Diaphragm



04. Bellows



05. Gasket



06. Gland Packing



• Clients



• Brands



In 2020, Hansung Tech Co., Ltd., leveraged its extensive technical expertise to establish a dedicated Technical Coordination Department. Our coordinators at Hansung Tech Co., Ltd. are committed to **addressing sealing challenges** and **reducing customer costs** by delivering precise solutions for oil leakage and other sealing issues.

• Coordinator Key Activities

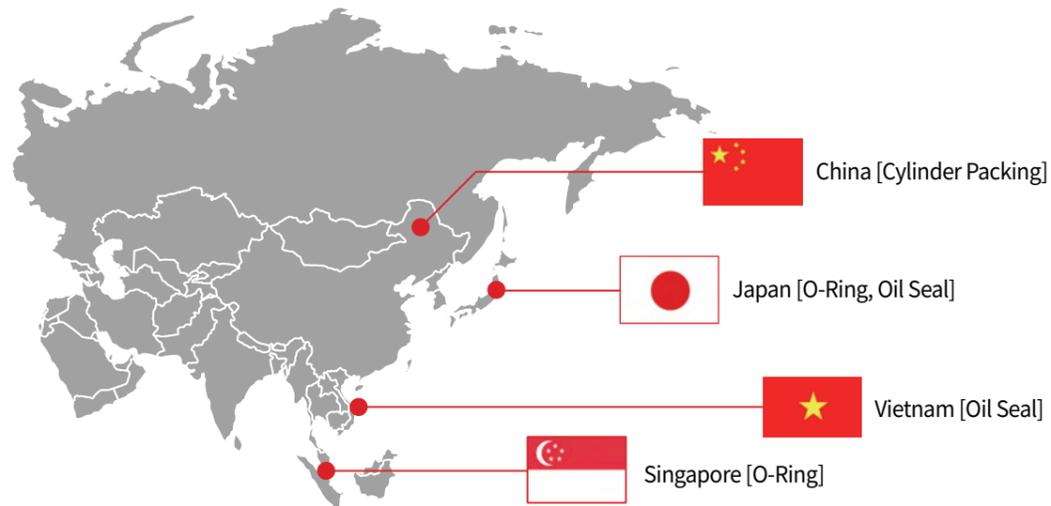
Cost reduction of for client purchases

Consulting on oil leakage and other leakage issues

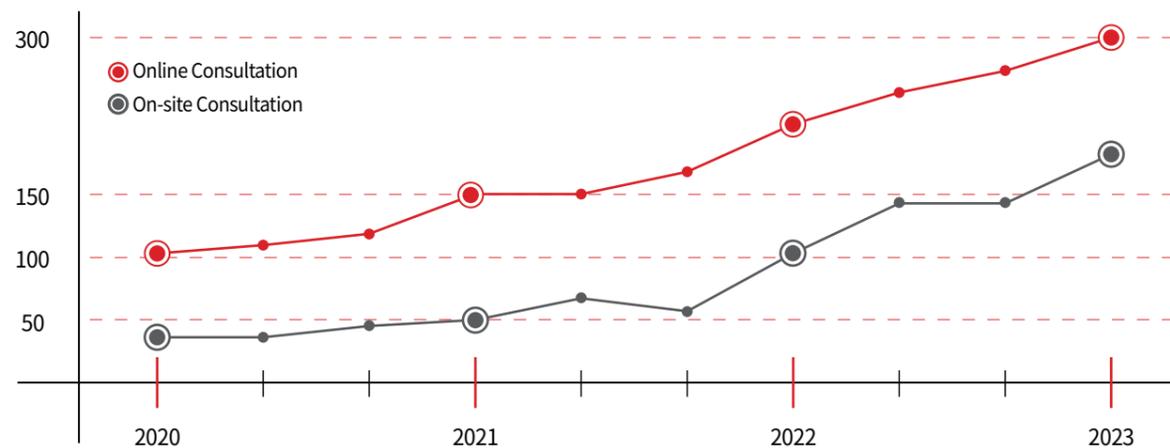
24-hour consultation and on-site visits

Customized seals shipped within three days

• Export Countries and Major Product Delivery Status



• Yearly Solution Provision Status



• Case Studies



Frequent rubber hardening damage of valve O-Ring



Suggested material change



Application of HNBR material [KOLAS test report and client field test (100°C, 720 hours) showed no hardening]



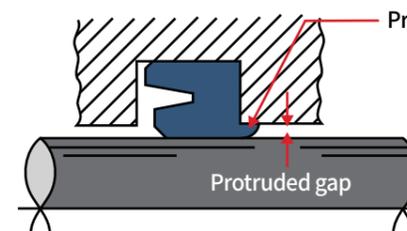
Lack of material for valve O-Ring in the food and beverage industry



Material development



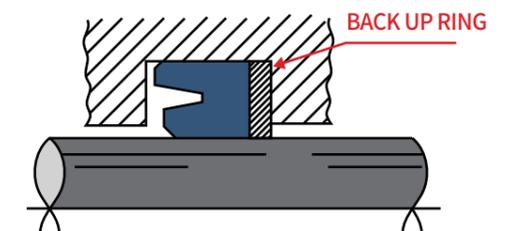
Developed product with materials that passed hazardous material tests (ROHS, REACH)



Developed product with materials that passed hazardous material tests (ROHS, REACH)



Suggested the use of BACK UP RING



Prevented protrusion of ROD SEAL

Hansung Tech Co., Ltd. has established a comprehensive professional education system to ensure all employees excel as sealing experts. Those who complete the training program are deployed to the field to address and resolve a variety of customer issues directly.

Hansung Tech Co., Ltd.'s coordinators are committed to providing prompt and accurate solutions for sealing problems, whether domestically or internationally.

Thank you for your continued trust in us.