

Ohnsha Co., Ltd.

< Company Profile >

Address	5-3 Soroku-hatayama, Yamada-cho Obu, Kita-ku, Kobe City, Hyogo Prefecture 651-1101
TEL	078-591-1051 (in Japan)
FAX	078-591-1227 (in Japan)
URL	https://www.kenmin.co.jp/ (In Japanese)
No. of employees	103
Capital	30 million yen
Founding	January 1943 (began operations in 1907)
Representative	Mitsuo Ohno

< Business Overview >

Design, manufacture, and sales of mechanical packings and gaskets developed for industrial uses; machining and fabrication of fluoropolymer products; machining of engineering plastics; production and sales of fabricated metal products; and production of medical equipment and devices

< Technology >



Ohnsha Co., Ltd. has succeeded in manufacturing mechanical seal products from various materials, such as resin, rubber and metal, utilizing a wide range of techniques, including techniques for fabricating fluoropolymer products and cutting and laser machining

techniques.

Since its founding, Ohnosha has been engaged mainly in the development and production of sealing products, such as mechanical packings and gaskets, that are made of a wide variety of raw materials, including resin, rubber and metal. Through its more than 110-year history, Ohnosha has continued to evolve, take on new challenges, and embark on new projects in a variety of ways, always adapting to changing times. For example, it has always striven to improve its technical abilities and to develop techniques in new fields.

While expanding into many business areas, we at Ohnosha have developed a wide spectrum of equipment and machining and fabrication techniques that are suited to various raw materials: the main materials used for our products are fluoropolymers, engineering plastics, rubber, iron, and non-ferrous metals. By combining our machining and fabrication techniques depending on needs, we have succeeded in developing products that require a high level of originality, shortening the time required to deliver finished products, and reducing costs, and we have been very active in creating new products that can only be made through highly advanced techniques. Recently, we have started to offer support for creating trial products (as well as suggestions for the production methods to be employed) and to provide mass production services that adopt the product traceability system. These new services have been very well received by our clients.

Utilizing such experiences and what we have accomplished, we will strive to further enhance our machining and fabrication techniques, to further ensure stable product quality, and to lower costs to a much greater extent—with the goal of successfully responding to requests from our clients and their needs.

[History of development]

Ohnosha started operations in 1907 (40th year of Meiji) in Minatogawa, Kobe City, Japan. At that time, industries in Japan were not yet well developed, and highest priority was placed on foreign-made products imported into Japan. Back then, Japan relied heavily on foreign-made components and products. However, under such circumstances, Ohnosha became the first company (and organization) in Japan to develop gland packings for ships; its gland packings were used in ships made by Mitsubishi and Kawasaki, the leading shipbuilding firms in the country, and eventually in the battleship Yamato built for the former Japanese Navy. Our company succeeded in providing domestically made, high-quality products that satisfy the needs of clients, and at the time, these were considered highly innovative products that broke with convention.

After achieving such success, our company made still further advances: it has constructed

new factories in Kobe and Kyushu, formed technical alliances with foreign companies, and acquired many utility model rights. To date, it has accumulated extensive experience, and its operations continue to expand steadily.

[Originality]

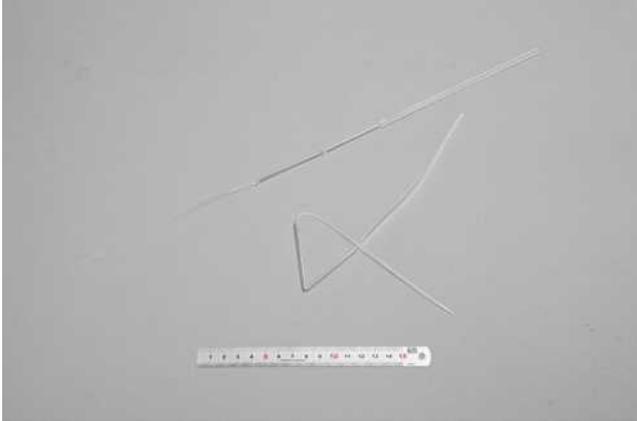
Our company has accumulated a wide range of technical know-how, especially in the production of fluoropolymer products, mechanical seals, sheet metal items, and fabricated plate work products. We comprehensively engage in all kinds of production from high-mix low-volume manufacturing to mass production, and we offer types of mass production that incorporate the product traceability system, a system strongly requested by clients. To perform thorough and complete quality control processes—from the preparation of raw materials, machining and fabrication to the shipping of finished products—and to deliver safe products that can offer peace of mind to end users, we effectively utilize the production management system and the system for tracking production history.

We can provide such services because we have the technical knowledge and skills that we've honed for over 110 years, ever since our establishment. To respond to the present needs of clients and to create seeds to meet such needs, in addition to the techniques we have originally developed, we are ready to employ various other techniques suited to different situations. We produce various mechanical packings and gaskets for industrial uses that properly meet clients' needs regardless of whether they are made with different raw materials or produced for different purposes.

[Future development]

In recent years, by applying the techniques we've cultivated, we have been aiming to enter fields associated with state-of-the-art technologies, such as the semiconductor field, and fields closely related to daily necessities, such as food, clothing and shelter. Moreover, we have started to work on projects in innovative areas, such as projects through which we create products from new types of raw materials, including ceramic materials, engineering plastics, and functional polymeric materials. Just as we have been doing, we will continue to actively engage in projects in new fields, including those that defy traditional boundaries.

< TOPICS >



Developing the "KBM Gut Clamper"

In collaboration with a university, we have produced the "KBM Gut Clamper," a device that allows a surgeon to grab and close intestinal tracts smoothly without fail during such surgical procedures as laparoscopic low anterior resection (Lap-LAR), a kind of laparoscopic surgery conducted to treat some colorectal cancers. We have succeeded in making the KBM Gut Clamper smaller than traditional gut clampers, and this clamper can clamp things in a direction orthogonal to the rectal axis. With this clamp, it also has become possible to clamp thick intestinal tracts. Thanks to these features, the KBM Gut Clamper has been selling very well, and many doctors and medical professionals are pleased with this device.



Installation of the "Fiber Laser" cutter

Last summer (after the roughly 800-square-meter expansion of the Kyushu Factory was completed in 2018), the "2-kW Fiber Laser" cutting machine was installed in the Kyushu

Factory. This machine enables high-speed, high-precision, energy-efficient machining operations, and with this machine, it is possible to carry out high-performance machining of even highly reflective materials and difficult-to-machine items. The "Fiber Laser" cutter is particularly effective in machining thin-sized materials and such materials as copper, brass and aluminum.

We are now equipped with three types of laser cutting machine tools (the "2-kW Fiber Laser" cutter, the "3-kW CO₂ Laser" cutter, and the "6-kW CO₂ Laser" cutter). With these laser cutters, it has become possible for us to machine iron sheets with a thickness of 0.03 mm to 32 mm and stainless-steel sheets with a thickness of 0.03 mm to 20 mm.

< Corporate History >

Jul. 1907	Riichi Ohno starts operations of Ohnoshu Co., Ltd. in Minatogawa-cho, Kobe City, Japan.
Jun. 1933	Ohnoshu is designated to serve as a factory for the Japanese Navy.
Apr. 1948	Construction of a factory in Hyogo-ku, Kobe City, is completed.
May 1949	Seiji Ohno becomes president.
Aug. 1950	The Osaka Sales Office is launched.
Apr. 1952	The Tokyo Sales Office is launched.
Nov. 1962	The Nagasaki Branch Office is launched.
Mar. 1964	Construction of the Kobe Factory is completed and the factory begins operations.
Oct. 1966	The Sasebo Factory is constructed.
Jun. 1967	Capital is increased to 30 million yen.
Jul. 1979	The Kyushu Sales Office is built in the Sasebo Factory premises.
Dec. 1981	Kazuo Ohno becomes president.
Nov. 1984	The factory producing fluoropolymer products undergoes complete renovation.
Jul. 1987	The Kobe Sales Office is relocated to the Kobe Factory premises.
May 1989	The headquarters functions of Ohnoshu are consolidated at the Kobe Factory.
Sep. 1991	A laser cutting machine is installed in the Sasebo Factory.
Jan. 1995	Construction of the new Kyushu Factory is completed.
Nov. 2000	ISO 9001 certification is obtained by the Kobe Factory.
Mar. 2005	Certification for producing medical devices is obtained from Hyogo Prefecture.

Nov. 2012	ISO 9001 certification is obtained by the Kyushu Factory.
Apr. 2014	Mitsuo Ohno becomes president.
Dec. 2019	Ohnoshu is selected as one of Hyogo's "Only-One" Companies.