

Our policy

At Showa Furryoku, we value individual employees' growth and the welfare of their families

A company is its people. No business will grow without securing the proper personnel.



Takeo Kase, founder

This is a quote from Konosuke Matsushita, the founder of Panasonic. Since Showa Furryoku was established in 1963, our founder Takeo Kase held these words to the utmost importance in running and growing the company; In fact, he watched and talked to each employee and encouraged them to grow as if they were his own children. Moreover, he always kept in mind to maintain a comfortable work environment to make his employees' work easy, because a company is also its employees' living space. Together with a great number of personnel, the most valuable assets that Showa Furryoku has gained since its founding up until now, the company's future steps will create new assets, which are brought about by the growth of young employees.

Bringing a big breath of fresh air from our factory in Katsushika

Our planet has two fluids. One is water, and the other is gas. Through human technology, pumps move water, and blowers move gas.

Since the company's founding, the founder Takeo Kase, who consistently broadened his horizons to the industrial society, responded to diverse needs by offering high-quality products to thereby make his company serve a beneficial role in society.

As a manufacturer specializing in fans, turbo blowers, and multi-stage blowers, the company developed a long track record by delivering high value-added products using our unique technologies. We are proud to see our products adopted and used at various plants both in Japan and around the world.

With **the mentality to take on new challenges** with which we tackle new products, **our development capabilities** backed up by our experience, and **our proven engineering ability** that enables advanced impeller production, as well as **the employee solidarity** that drives these three elements, we will continue to bring a big breath of fresh air from our factory in Katsushika.

Our mission is to protect our beautiful azure planet and people's lives through Showa Furryoku's blowers.

The Showa Furryoku spirit that has continued since our founding

Showa Furryoku's mottoes

"Do everything you can in all sincerity"

"Take positive action"

"Work together in the spirit of cooperation"

Transforming sincerity into products

In order to embody our company mottoes, we actively take on challenges in new fields.

By continuously producing low-cost, high-quality products while pursuing efficient business, we strive to realize stable company management and community development. In other words, we at Showa Furryoku are determined to try harder than ever to develop technologies and products useful to society.

Create the wind

Creating the wind
that runs social infrastructure

Corporate profile



Showa Furryoku Kikai Co., Ltd.

1-16-3 Okudo, Katsushika-ku, Tokyo 124-0022

TEL: +81-3-3692-2001 FAX: +81-3-3694-4719

<http://www.showafurryoku.co.jp>



Create the wind

Creating the wind that runs social infrastructure

Showa Furryoku Kikai Co., Ltd. is a manufacturer specialized in fans and blowers and supports all plants with its custom blowers. Our 100% built-to-order blowers, which draw on our unique technologies and years of experience, are received for their high reliability in practical operation and are employed in various plants in countries around the world.

Production structure

100% built-to-order manufacturing

Showa Furryoku develops, designs, and manufactures high value-added blowers under its own techniques. Our 100% built-to-order manufacturing allows us to meet every single user requirement.

Delivery achievements

Top-class market share in Japan

Our products, based on our unique technologies and years of experience, are highly valued in practical operations and are employed in Japan's space industry and various plants in countries around the world.

Showa Furryoku Kikai's four focuses

Global

An engineering ability recognized around the world

We export products and also dispatch supervisors to give technical guidance to plants in the West, in Asia, and other countries around the world.

After-sales service

Reliable maintenance

Showa Furryoku, which has established an integrated process from manufacturing to maintenance, can offer on-site highly reliable maintenance work as well.

Taking on new challenges, with aspirations to reach its 100th anniversary as a company

Since its founding as a manufacturer in fans and blowers in 1963, Showa Furryoku has worked diligently to build a total supply chain covering everything from design and manufacturing to after-sales service in order to offer high-quality, safe products and services while making full use of our advanced technologies and know-how acquired over time.

Many of the products we make each one carefully oneself. As a result, it is a constant struggle through trial and error.

Every department keeps close contact with other departments and proceeds with work at a distance close enough to see each other's faces. This is a manufacturing environment only possible for a middle-sized manufacturer where employees help and support each another as colleagues.

Outside of work, too, through active employee interactions such as company trips and baseball team activities, we cherish the family atmosphere has continued from the founder's generation. Under the philosophy "a company is its people" that our founder instilled in the company, we aim to constantly keep taking on new challenges and reach our 100th anniversary as a company so that our employees may happily contribute to society.

代表取締役 齊藤 茂 CEO Shigeru Saito

An integrated, in-house process from design and manufacturing to delivery



Plate working

The manufacturing of impellers and casings uses laser machines to cut a shape from material, benders to form a bend, and welding processes such as arc and TIG.

Document handling support

Showa Furyoku, proven in supporting a broad range of specifications from public project facilities for waste incineration and sewerage to private sector plants for petroleum, steel, and power generation, can flexibly adapt to those industries' required paperwork, in which the company is well-versed.

Design

Our fully custom designs (built-to-order) enable us to meet customer needs. Designs are optimized using FEM (structural analysis)/CFD (fluid analysis).

Machining



Products are precisely machined via lathing, milling, and drilling. We also support other diverse types of machining using machining centers.



Assembly

We handle blasting, coating, parts assembly, centering, etc.



Shipment

Products are shipped to plants or port warehouses after going through pre-shipment final checks, touch-ups, packaging, etc.

Custom designs and individual facilities enable production tailored to us to meet customer needs.

Many blowers in the world are standardized that consume unnecessary energy or are not suitable for usage conditions because of their general purpose. chemical, petroleum and steel manufacturing plants, sludge incineration facilities, etc. completely on a built-to-order basis according to each facility's requirements such as the application, purpose, and the type of gas and intake or exhaust etc.



Interim inspection

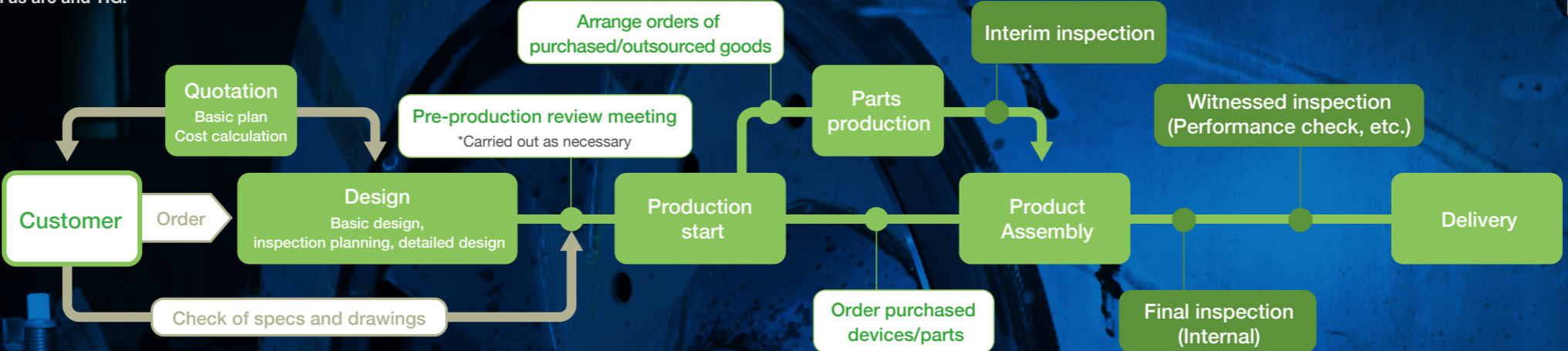
Before assembly, parts are inspected to check for problems in appearance and dimensions. Impellers dynamic balance adjustment.

Final inspection

After assembly, we conduct autonomous factory inspections that check appearance, dimensions, performance, operation verification, etc.

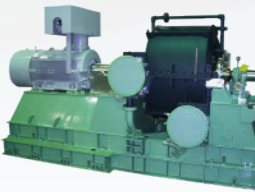
Witnessed inspection

Customers attend our inspections to see with their own eyes that there are no problems in performance and operation.



High-quality products meeting increasingly advanced and diversified user needs

Our 100% built-to-order blowers based on our unique technologies are highly reliable in practical operations and are employed in various plants in countries around the world.



Gas-tight blowers & fans

These are our specialty. Making the most of our extensive experience and technologies, we choose the blower configuration and shaft seal structure that best suit your use and the gas handled.



High-temperature fans

We choose the fan configuration and material that best suit your use and operating temperature. Key areas are designed with adequate consideration to contraction and strength in relation to changes in temperature.



Multi-stage turbo blowers

High pressures are enabled with the use of multiple impellers and machined casings. We choose the optimal design according to the air volume, pressure, etc.



Single-stage turbo blowers

Suitable for air at low volume and high pressure. These are highly efficient and can be used over a wide range and at high speeds. The impellers we have delivered include those capable of up to 240 m/s in circumferential velocity.

Showa Furyoku's commitment to detail to meet customers' own commitment

Showa Furyoku's mission is to ensure the stable operation of all plants with blowers that satisfy all conditions and have excellent durability and stability. We respond to the needs of our customers with our many achievements and skilled craftsmanship.



High durability under harsh conditions

We have the edge in heavy-duty blowers that endure a temperature of 1000°C or more and high-pressure air at thermal power plants, incinerators, special plants, etc. Impellers in particular, which are the heart of blowers rotating at high speed, can be put under heavy loads by centrifugal force. The technologies gained over the years since the company's founding help us manufacture blowers that operate stably and reliably under harsh conditions. We deliver highly durable products from the perspective of stable use for decades to come.



Stable 24-hour, 365-day operation

Blowers, which are machines that carry manufacturing or processing gases just like pumps carry water, are indispensable in manufacturing. Not only at power plants and incineration facilities, but also at production plants, we are thoroughly committed to manufacturing highly reliable products so that the plant will not stop operating 24 hours a day, 365 days a year. We also offer maintenance services. Every few years, our engineers are dispatched on-site to perform quick and precise maintenance.



In-house impeller manufacturing through craftsmanship

Impellers, which are the hearts of blowers, are manufactured completely in-house. Each piece is welded by in-house engineers. Finely detailed artisanal jobs responding to client requests in units of millimeters are Showa Furyoku's forte. Welded pieces are inspected for weight balance using a tester. To adjust large impellers, which can become severely out of right-left balance with an error of just 0.2 grams, our engineers grind them by hand. Years of experience support the high durability and stable operation of blowers.



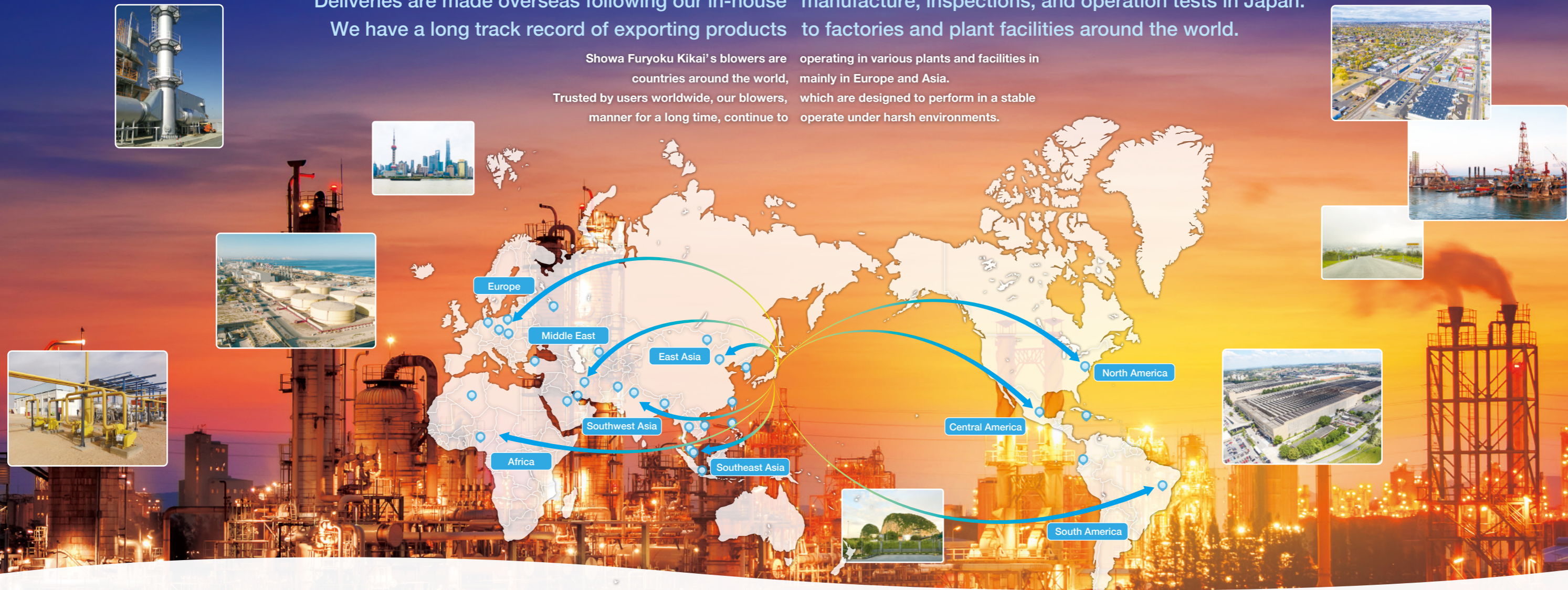
From air to special gases

How air is routed, suction, and discharged varies widely depending on the plant structure. Showa Furyoku begins designing only after carefully listening to customer needs. Designs are made with full consideration of the scale, structure, and other individual characteristics of the site. In the case of special gases besides air, we propose optimal solutions for our flexibility and experience gained over the years, such as a customized product using the material best suitable for the type of gas.

Showa Fuyoku Kikai's blowers active all over Japan and around the world

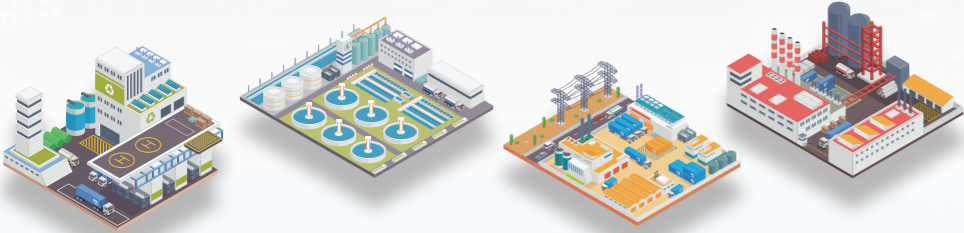
Deliveries are made overseas following our in-house manufacture, inspections, and operation tests in Japan. We have a long track record of exporting products to factories and plant facilities around the world.

Showa Fuyoku Kikai's blowers are operating in various plants and facilities in countries around the world, mainly in Europe and Asia. Trusted by users worldwide, our blowers, which are designed to perform in a stable manner for a long time, continue to operate under harsh environments.



We support customers in a broad range of fields, from private sectors and plant manufacturers to government agencies!

We support private sector plants in a broad range of industries, including chemical, petroleum, ironmaking/steel, power, gas, and automotive fields. Our products are also proven in government facilities for the incineration of sewage sludge, municipal waste, and excreta, as well as grain drying and more.



Chemical	Gas	Petroleum	Papermaking	Ironworks
Automotive	Nonferrous metals	Food	Power plant	Glass
Cement	Agricultural	Industrial waste incinerators	Space centers	Sewage treatment plants
Water treatment plants	Municipal waste incineration	Excreta incineration	Crematoriums	Grain drying

Countries of delivery

- | | |
|----------------|---------------|
| • China | • Russia |
| • Taiwan | • Algeria |
| • Vietnam | • Turkey |
| • Singapore | • Czechia |
| • Malaysia | • Slovakia |
| • Thailand | • Iran |
| • India | • Brazil |
| • Bangladesh | • Mexico |
| • Indonesia | • USA |
| • Nigeria | • Philippines |
| • Bahrain | • Germany |
| • Saudi Arabia | • Poland |
| • Korea | • Ecuador |
| • Uzbekistan | • Jamaica |
| • Pakistan | • Mongolia |

Showa Fuyoku Kikai's blowers contribute to carbon neutrality

Through the manufacture of highly efficient blowers, Showa Fuyoku Kikai helps realize more energy-efficient operations at factories and plant facilities with the aim of realizing a sustainable society.



Effect of blower performance on factory power consumption

High-efficient blowers play a key role in the efficient power consumption at factories. Showa Fuyoku Kikai helps factories reduce their load on the environment by offering highly durable and efficient blowers through integrated in-house production that begins with design, including the manufacture of impellers.



Long-term maintenance for stable performance upkeep

Realizing an integrated in-house production system since the company's founding, we maintain and manage the manufacturing information of all blowers that we manufacture. This enables long-term maintenance and a product life cycle that allows the blowers to operate at 100% at all times.



Showa Furyoku Kikai Co., Ltd.

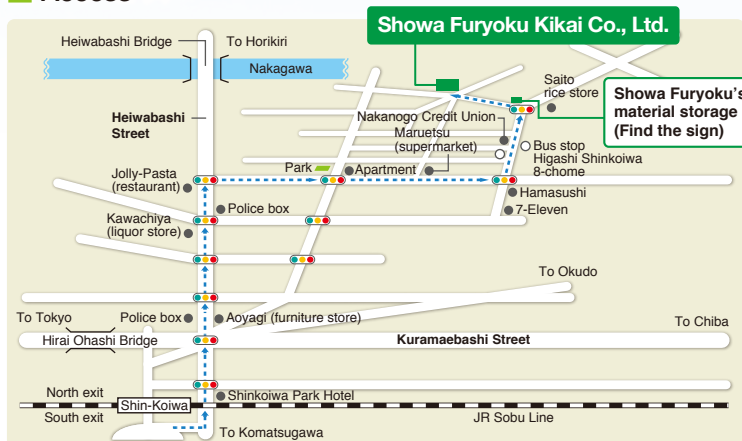
Company profile

Company name	Showa Furyoku Kikai Co., Ltd.
Established	April 3, 1963
Capital	41,000,000 yen
Business overview	Design, manufacture, and sale of multi-stage and single-stage turbo blowers and turbo radial fans, as well as the planning, design, and on-site construction of facilities using these blowers and fans.
Headquarters	1-16-3 Okudo, Katsushika-ku, Tokyo 124-0022
Representative	President Shigeru Saito
Executive officers	Director, Design Department Manager Tomi Yoshi Tamura Director Kumiko Kase Director, Manufacturing Department Manager Terumi Shinomiya
Number of employees	Sales, office work, etc. 14 persons Engineering and service 21 persons Manufacturing 30 persons
Overview of factory facilities	Office 510 m ² (2nd floor) Assembly Factory 360 m ² Plate Working Factory 330 m ² New Machine Factory and changing rooms 275 m ² (3rd floor) Machine Factory 82 m ² Warehouse 200 m ² Premises 1,500 m ²
Banks	Koiwa Branch, MUFG Bank Katsushika Branch, Mizuho Bank

Company milestones

February	1962	Showa Koki Seisakusho established by Takeo Kase.
April	1963	Company name changed to Showa Furyoku Kikai Co., Ltd. with Takeo Kase appointed as president. 750,000 yen in capital.
September	1965	Capital increased to 1,500,000 yen.
June	1967	Capital increased to 3,000,000 yen.
	1970	Technology exported to Korea. Technical tie-up contract agreed with Mizuhara Furyoku Kikai Co., Ltd. under the permission of Korea Economic Planning Board.
August	1970	Capital increased to 6,000,000 yen.
July	1973	Capital increased to 12,000,000 yen.
May	1974	Shofu Service Co., Ltd. established.
April	1975	Capital increased to 24,000,000 yen.
March	1991	Machine Factory No. 2 constructed. Machining centers introduced to strengthen machining capabilities.
December	1991	Social certificate awarded to Shofu Service Co., Ltd. as an excellent tax filing corporate body by the Katsushika Tax Office.
April	1993	Capital increased to 36,000,000 yen.
October	2000	Takeo Kase recognized as a distinguished person of Tokyo by the Governor of Tokyo.
October	2006	Shofu Service Co., Ltd. merged. Capital increased to 41,000,000 yen.
March	2009	Total inhouse production system structured with the construction of blast/coating factory.
September	2011	Visited by an overseas young manager organization in response to solicitation from the Ministry of Foreign Affairs of Japan.
November	2011	Social certificate awarded as an excellent tax filing corporate body by the Katsushika Tax Office.
April	2017	Social certificate awarded as an excellent tax filing corporate body by the Katsushika Tax Office.
March	2019	Material warehouse/machining factory constructed. Laser machines introduced to strengthen Plate Working Department's capabilities.
May	2020	Shigeru Saito appointed as president.
July	2022	Enterprise transferred from Tajima Iron Works Co., Ltd.

Access



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<http://www.showafuryoku.co.jp>



Train

About 20 minutes on foot or 10 minutes by car from JR Shin-Koiwa Station.

Bus

Cross the Sky Deck Tatsumi, then take the Keisei Bus Shinkoiwa 53 bound for Kameari via Okudo/Aoto Station from the bus stop No.11 on the Tohoku Square at JR Shin-Koiwa Station, and get off at the Higashi Shinkoiwa 8-Chome bus stop. (Ride time: about 10 minutes)

Taxi

Find the taxi stand at the roundabout south of the JR Shin-Koiwa Station.

Sewage/waste treatment									
Delivered to	Facility	Application	Model		Air flow m³/min	Air pressure kPa	Temperature °C	Motor kW×P	Number of revolutions rpm
Wakayama Prefecture/ Ito Purification Center	Sewage treatment	Aeration blower	300φ	B6-C	134.6	64.2	20	190 × 2	3550
Kitakami Purification Center	Sewage treatment	Aeration blower	200φ	B9-C	45	70.56	20	90 × 2	2970
Hachinohe City East Terminal Treatment Plant	Sewage treatment	Aeration blower	150φ	B8-C	36	64.6	20	75 × 2	2980
Tokyo Metropolis/ South Sludge Treatment Plant	Sewage treatment	FDF	600φ	B2-C	362	37.3	20	310 × 2	3570
		IDF	No.11.5	TSB-C	649	12.3	40	220 × 4	1770
Toyonaka City/ Harada Treatment Plant	Sewage treatment	FDF	350φ	B3-C	120	37	20	132 × 2	3580
		IDF	No.5.5	RSB-C	153	14	30	75 × 2	3580
Hamamatsu City New Cleaning Plant	Waste incineration	FDF	300φ	B3-C	112	29.2	37	90 × 2	3580
		IDF	No.11	TOB-C	2493	7.6	182	470 × 4	1785
Mibu Town Cleaning Center	Waste incineration	IDF	No.10.5	TO-C	845	7.86	189	160 × 4	1785
		FDF	300φ	BO-C	65	21.5	20	55 × 2	3580

Petroleum/chemical									
Delivered to	Facility	Application	Model		Air flow m³/min	Air pressure kPa	Temperature °C	Motor kW×P	Number of revolutions rpm
Sakai Refinery, Cosmo Oil Co., Ltd.	Petroleum refining	Main Gas Blower	350φ	B3-C	153	37.3	50	160 × 2	3570
	Crude diversification coker heater	IDF	No.11.5	TO-C	1782	3.26	155	200 × 6	1170
		FDF	No.9	TO-C	1074	2.94	16	90 × 6	1170
Kawasaki Plant, TonenGeneral Sekiyu K.K.	CO ₂ supply	Raw CO ₂ Gas Blower	300φ	B4-C	97	54	40	150 × 2	2980
Chiba, Sumitomo Chemical Company, Limited	Waste fluid combustion	Combustion blower	800φ	BSB-C	730	25.5	20	450 × 2	2970
Vale Japan Limited	Sulfuric acid production	SO ₂ Blower	500φ	B3-C	300	62.7	45	440 × 2	3570

Power plant									
Delivered to	Facility	Application	Model		Air flow m³/min	Air pressure kPa	Temperature °C	Motor kW×P	Number of revolutions rpm
Futtsu Thermal Power Station, Tokyo Electric Power Company Holdings, Inc.	Combined cycle power generation	GT exhaust frame blower	500φ	B2-C	166.4	23.77	21	140 × 2	2970
Takehara Thermal Power Plant, Electric Power Development Co., Ltd.	Effluent treatment	Oxidized air blower	350φ	B7-C	121	90.49	30	280 × 2	3570
Nakoso/Hirono IGCC Power GK	Coal gasification power generation	Combustion air blower	550φ	BO-C	318	22.49	40	200 × 2	2965
		Desulfurization fan	900φ	BSB-C	846	18.49	95	360 × 2	2960
Isogo Thermal Power Plant, Electric Power Development Co., Ltd.	Sulfuric acid production	SO ₂ blower	500φ	B3-C	270	47	45	320 × 2	2970
	Flue-gas desulfurization system	Circulation fan	No.12	TSB-C	2144	5	340	380 × 4	1470
Yanaizu-Nishiyama Geothermal Power Station, Tohoku Electric Power Co., Inc.	Hydrogen sulfide remover	Process gas blower	400φ	B3-C	256	42	186	280 × 2	2970
		Process gas blower	400φ	B3-C	211	50	40	280 × 2	2970
Wajima Biomass Co., Ltd.	Biomass power generation	Exhaust gas blower	350φ	B2-C	157	19.6	174	90 × 2	3580
		Raw material silo IDF	No.9.5	TO-C	457	10	20	110 × 4	1785

Ironworks									
Delivered to	Facility	Application	Model		Air flow m³/min	Air pressure kPa	Temperature °C	Motor kW×P	Number of revolutions rpm
Nagoya, Nippon Steel Corporation	CGL	COG booster	250φ	B7-C	80	34.5	38	90 × 2	3570
	Desulfurization	Heated gas circulation fan	No.14.5	TSB-C	1883	4.4	350	270 × 6	1180
Setouchi, Nippon Steel Corporation	Annealing furnace	LNG booster	150φ	B6-R	7.8	26	30	11 × 4	3750
Guangzhou JFE Steel Sheet Co, Ltd.	CAL	Circulation gas fan	No.13	RO-C	2900	5.88	50	500 × 4	1770
Baosteel Zhanjiang Iron & Steel Co. Ltd.	CAGL	Circulation gas fan	No.13.5	RO-C	2420	8.04	50	560 × 4	1770
Steel Research Center, JFE Steel Corporation	Ferro coke	COG booster	150φ	B9-C	29	26.5	53	75 × 4	3550
Pacific Metals Co., Ltd.	Ferro nickel	Hot air fan	No.12	RSB-R	2022	2.45	650	200 × 4	1150

Agricultural									
Delivered to	Application		Model		Air flow m³/min	Air pressure kPa	Temperature °C	Motor kW×P	Number of revolutions rpm
Country Elevator, JA Aichichuo	Dryer blower		No.10	AS-R	1740	1.07	45	65 × 4	790
Kamoto Rice Center, Kamoto Agriculture Cooperative	Dryer blower		No.9	AS-R	1480	1.07	45	55 × 4	910
Country Elevator, JA Echigo Chuo Yoshida	Chaff dryer blower		No.7	TO-R	600	0.98	110	18.5 × 4	950
Genshu Center, Fukui Prefecture	Disinfector drying blower		No.3.5	TO-R	100	0.88	40	3.7 × 4	1740
Country Elevator, Kisakata, Akita Prefecture	For waste straw transfer		No.3.5	RO-R	34	2.65	20	3.7 × 4	2500

Food									
Delivered to	Application		Model		Air flow m³/min	Air pressure kPa	Temperature °C	Motor kW×P	Number of revolutions rpm
Kirin Brewery Toride, Kirin Brewery Company, Limited	Aeration blower		300φ	B7-C	108	64.23	40	160 × 2	2970
Kashima Plant, Showa Sangyo Co., Ltd.	Air slide blower		No.4	RO-R	50	6.87	20	18.5 × 4	3150
Hokkaido Plant, Sanwa Yushi Co., Ltd.	Raw material dryer exhauster		No.5	TO-C	110	1.77	65	5.5 × 4	1470
Hokkaido Hidaka Nyugyo Co., Ltd.	Exhaust fan		No.9	TO-C	842	4.42	77	90 × 4	1485
Konsen Factory, Yotsuba Milk Products Co., Ltd.	Exhaust fan		No.8	TO-C	1450	5.8	15	220 × 4	1785