

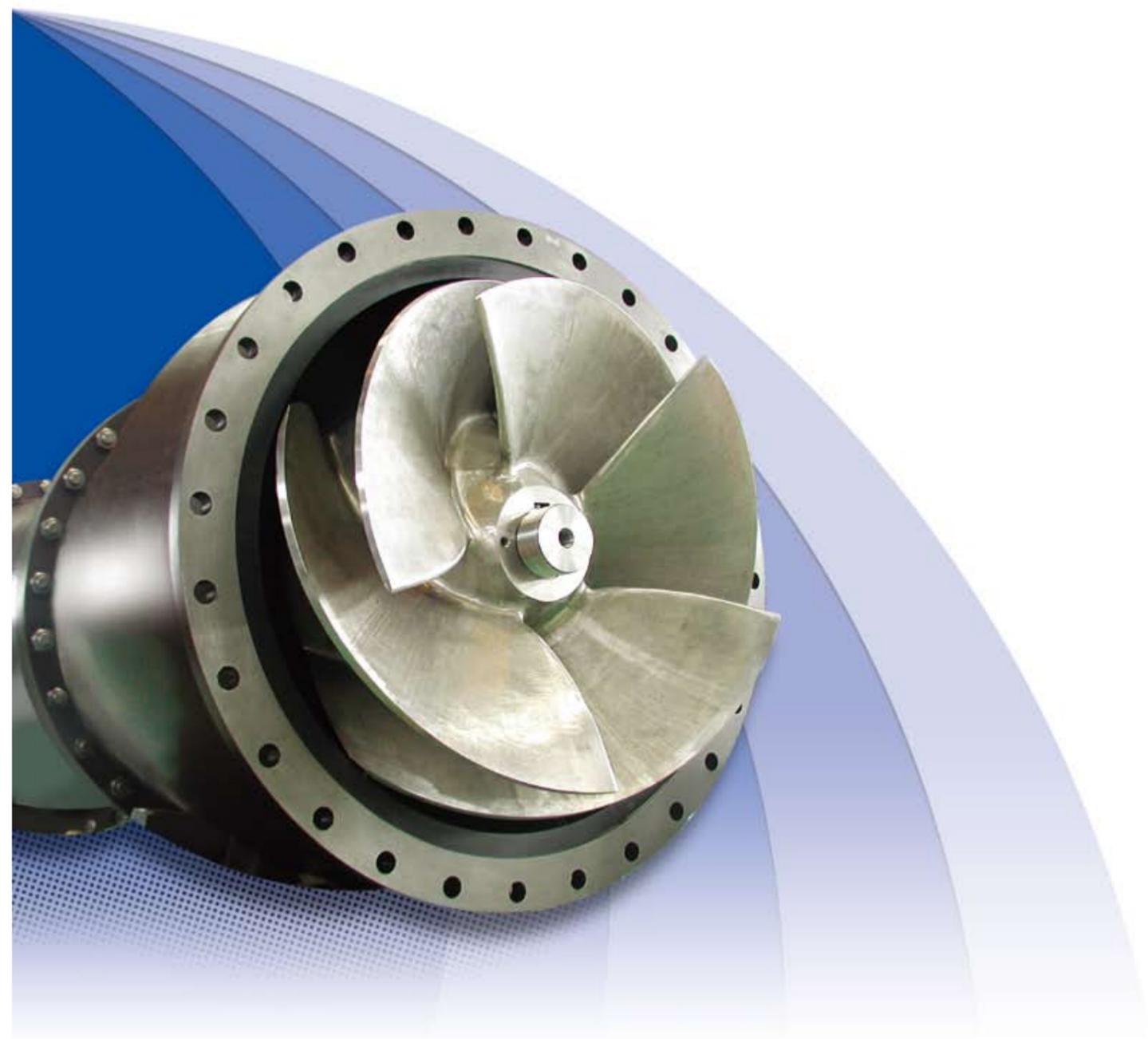


CORPORATE PROFILE



EBARA CORPORATION

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EBARA CORPORATION

To continue supporting your tomorrow. That's EBARA's mission.



Water nourishes lives, electricity sustains society, and electronic technology brings diversity to daily life.

In their daily lives, people receive great benefit from things such as nature, science and technology.

What should we do to support an affluent society in which people can live in safety, and what should we do for further progress?

EBARA has been thinking about the future of people, society, and the environment through “monozukuri” (manufacturing) since it started business as a pump maker in 1912.

The pumps supporting society's infrastructure, incineration and gasification technologies supporting environmental conservation, and semiconductor manufacturing device supporting the information society, — EBARA's products and technologies — are behind the scenes.

However, everyone comes into contact with those technologies in all aspects of society, industry, and daily life.

Treating all relationships with respect, EBARA helps to make an affluent society.



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* Models (expressed in alphanumeric characters) in this brochure are the model names of EBARA products.

With the founding spirit of “*Netsu To Makoto*”, EBARA continues to pursue superior technologies.

“*Netsu To Makoto*” means grappling with a task while having enthusiasm and sincerity based on one’s ingenuity and effort, instead of simply doing an assignment. And it was the spirit of Issei Hatakeyama, the founder of EBARA. That spirit is the backbone of EBARA, a company that keeps pursuing superior technologies.

Hatakeyama founded the Inokuchi Type Machinery Office in order to spread superior products based on the world’s highly-regarded centrifugal pump theory invented by Dr. Ariya Inokuchi (Dr. Inokuchi was Hatakeyama’s professor at Tokyo Imperial University.)

Since then, EBARA’s history has involved a continuing pursuit of superior technologies.

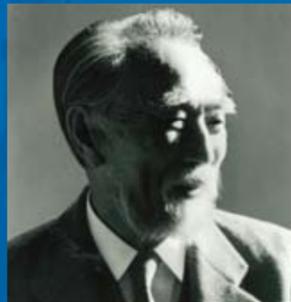
Hatakeyama manufactured unprecedentedly large pumps at that time in a workshop without a crane. He thought that the waterworks pump market, dominated by imported products, was an area in which the nation was losing, and he kept stressing the need to be able to compete in terms of performance, to beat the foreign competition. It was this spirit of “*Netsu To Makoto*” that led to the adoption of Japanese-made pumps and produced various first made-in-Japan devices such as an axial-flow pump, centrifugal chiller, and rapid sand filtration system.

On the other hand, Hatakeyama was anxious about damage to waterworks caused by earthquakes. Therefore, he constructed and donated a water supply facility at his own expense. As a result, the facility helped waterworks to recover after the Great Kanto Earthquake and helped to prevent the spread of epidemics. He also acted as a chairman of the Japan Institute of Invention and Innovation to improve the social standing of engineers and inventors. Hatakeyama’s spirit of social service is another backbone of EBARA, together with the belief that “*working is for our own benefit and also contributes to society*”.

Today, about a century after the company’s foundation, Hatakeyama’s spirit is still present in EBARA’s businesses concerned with fluid machinery and systems, environmental engineering, and precision machinery. And Hatakeyama’s spirit still lives on in EBARA of today.

We believe that Hatakeyama’s spirit is a heritage we should directly and continuously pass on to the future generations of EBARA, a company that continues to pursue superior technologies in every field of business and aims to contribute to society by manufacturing better products.

EBARA will make progress toward the future, with its founding spirit.



Issei Hatakeyama, Founder



1912 to 1940s

- 1912 Inokuchi Type Machinery Office founded.
- 1920 EBARA CORPORATION established.
- 1921 Delivered the first centrifugal blower (started manufacturing blowers and fans).
- 1924 Completed the first prototype production of axial-flow pump (the first made-in-Japan axial-flow pump).
- 1930 Delivered the first centrifugal chiller (the first made-in-Japan centrifugal chiller).
- 1931 Delivered the first rapid sand filtration system (the first made-in-Japan rapid sand filtration system).
- 1945 Took orders from the Ministry of Agriculture, Forestry and Fisheries for agricultural pumps to boost food production (contributed to boosting food production after the war).



1950s to 1970s EBARA's technologies demanded by society

In the course of recovering from the war and entering a high-growth period, Japan proceeded to construct social infrastructure such as waterworks and sewers. During this period, EBARA was playing an important part as the number one maker of pumps and water treatment equipment. We devoted our energies to developing advanced technologies to meet customer’s needs in industrial fields and benefit society. As a result, we contributed to solving environmental problems, which were coming to the fore at that time, and supported society by manufacturing products always with an eye on people’s lives.



1912 to 1940s Building the foundations of EBARA

Issei Hatakeyama founded the Inokuchi Type Machinery Office in 1912. That office became EBARA CORPORATION and made steady achievements thereafter, as a maker of Japanese pumps. Then we released a number of first-in-Japan products and established ourselves as an industrial machinery manufacturer. After World War II, we developed the business of supporting people’s lives, for example by supplying agricultural pumps to boost food production, and built the foundations of today’s EBARA CORPORATION.

1950s to 1970s

- 1950 Delivered the first mixed-flow pump (many pumps were delivered for agriculture, waterworks, and power plants thereafter).
- 1956 Started to produce the standard pump (S-type) (started a full-scale business for standard pumps).
- 1961 Delivered the first mechanical stoker type municipal waste incineration facility (started a business of waste treatment facility).
- 1962 Delivered the first Greenleaf Filter (rapid sand filtration system for water purification plants).
- 1976 Delivered the world's largest compressor for LNG plants at that time.
- 1979 Delivered the first double case pump for nuclear power plant (the first made-in-Japan double case pump for nuclear power plant; many pumps were delivered for nuclear power plant thereafter).



1980s to today

- 1986 Delivered the first roots-type dry vacuum pump (started a business of the semiconductor equipment).
- 1989 Delivered the first internally circulating fluidized bed boiler (delivered many boilers for heat recovery and power plants thereafter).
- 1992 Delivered the first CMP systems (delivered many CMP systems to semiconductor manufacturers all over the world thereafter).
- 2002 Delivered the first fluidized bed gasification and ash melting plant for municipal waste (delivered many systems for municipal waste facilities).
- 2008 Total number of general pumps manufactured at Fujisawa District reaches 15 million units.



1980s to today EBARA's technology spreading throughout society

The semiconductor industry plays an important role in the information society. The energy industries, such as oil and gas businesses, are growing as demands for energy are expanding in the world. Technologies for improving the environment are being requested more and more in an environment-conscious world. On the basis of its abundant experience and technologies that it has accumulated for a long time, EBARA has aggressively developed businesses in new fields.

Always taking the customer’s viewpoint, and spanning areas from state-of-the-art industries to fields closely related to people’s daily lives, EBARA will support society, industries, and people’s lives in many aspects with its capabilities in superior technology.



EBARA conducts business activities with “concerns”.

Even though the times change, EBARA pursues technologies with the same spirit as it had at its foundation.

EBARA produces leading-edge products in the fluid machinery and systems, environmental engineering, and precision machinery businesses, and has grown into a world-class industrial manufacturing enterprise that supplies products for many systems associated with social foundations. It is almost a century since our foundation. EBARA is geared for further leap forward with our four “concerns”.

The Group's “Concern” as a Manufacturing Enterprise

The Group is aware that manufacturing and marketing superior hardware and providing top-quality supporting services are the keys to business growth. The Group will further polish its capabilities in the areas where it is strong.

“Concern” for Improving the Environment

By continuing to provide products and services that conserve energy and contribute to preserving the natural environment, the Group intends to contribute to improving the Earth's environment and assist in passing this improved environment on to the next generation.

“Concern” for Internal Control Systems and Improvement in Operating Efficiency

To create a culture that emphasizes compliance, we are continuing to work not only to enhance our internal control systems and enhance management transparency but also to improve operating efficiency.

“Concern” for Our Motto, “EBARA Walking with Its Customers”

We will aim to accurately identify and anticipate customer needs, which change from one era to the next and, by responding to these needs, will work to enhance customer satisfaction and, at the same time, work toward the further development of the EBARA Group.

“Concern” for growing as the world’s first-grade industrial machinery maker

EBARA conducts business activities with “concerns”. We will achieve continuous growth by providing superior products and keep our position as one of the world's leading manufacturers of industrial machinery.

- Manufacturing and selling superior products and providing support.
- Establishing a framework of selling and supporting products on global markets.
- Improving and developing original products, devices, and materials.
- Increasing market shares of core business
- Expanding new businesses and reducing lead times.

One of the world's leading manufacturers of industrial machinery

“Concern” contributes to improvement of the Earth’s environment.

EBARA, as a manufacturer of industrial machinery, contributes to the improvement of the Earth's environment by developing and producing environmentally friendly and energy conserving products in the fluid machinery & systems, environmental engineering, and precision machinery businesses, making best use of the engineering technologies we have accumulated over a long time.

Manufacturing and selling superior products as a manufacturer of industrial machinery and providing high-quality support.

- Saving costs
- Simplicity
- Making products compact and lightweight
- Long-life and energy conserving characteristics
- High performance
- Reducing emission of greenhouse gases

Engineering business developed by making full use of the environmental and energy-related technologies we have accumulated over a long time.

- Incineration and gasification technology
- Water treatment technology
- Biomass power generation technology
- Biomass treatment and recycling technology
- Operation and maintenance

Contribution to improvement of the Earth's environment

EBARA increases its markets in various business fields throughout the world.



Compressors and pumps used in oil and gas facilities in the Middle East, pump facilities and water treatment facilities in China and other Asian countries, the semiconductor markets extending all over the world.

EBARA's products are used to promote industries and to build infrastructures all over the world.

Our worldwide business is made possible by linking up our domestic business bases, branch companies, offices, and associated companies all over Japan, representative offices in major cities overseas, and subsidiaries and affiliated companies in 24 countries and regions all over the world.

The three in-house companies have specific technologies, developing capabilities and manufacturing capabilities, enhancing the business basis.

This is the total strength of EBARA, expanding our business in the global marketplace.



EBARA CORPORATION

Domestic :

Haneda Office (Head Office)
Futtsu District
Fujisawa District
Sodegaura District
Suzuka District

Overseas :

Bangkok Office
Beijing Office
Manila Branch
Taipei Office
Italy Office
Zurich Representative Office
Ebara Middle East
Bahrain Representative Office
Cairo Representative Office

Affiliated companies

Fluid Machinery & Systems Company

Domestic :

EBARA DENSAN LTD.
Ebara Techno-serve Co., Ltd.
Ebara Shinwa Ltd.
Ebara Material Co., Ltd.
Ebara Yoshikura Hydro-Tech Co., Ltd.
EBARA HAMADA BLOWER CO., LTD.
Ebara Environmental Technologies Hokkaido Co., Ltd.
Ebara-Byron Jackson, Ltd.
Ebara Refrigeration Equipment & Systems Co., Ltd.
E-Square Co., Ltd.
Elliott Ebara Turbomachinery Corporation
Pacific Machinery and Engineering Co., Ltd.

North America and South America :

Ebara Industrias Mecánicas e Comércio Ltda.
Elliott Ebara Company Ltd.
Ebara International Corporation
Elliott Company

Europe and Middle East :

Ebara Pumps Europe S.p.A.
Sumoto S.r.l.
Ebara Espana Bombas S.A.
Ebara Pump Industries (P.J.S.)
Advanced Design Technology Limited

Asia and Oceania :

Ebara Engineering Singapore Pte. Ltd.
Ebara Benguet, Inc.
Yantai Ebara Air Conditioning Equipment Co., Ltd.
Ebara Great Pumps Co., Ltd.
Ebara Machinery (China) Co., Ltd.
Ebara Boshan Pumps Co., Ltd.
Ebara - Elliott Service (Taiwan) Co., Ltd.
Elliott Ebara Singapore Pte. Ltd.
Ebara (Thailand) Limited
P.T.Ebara Indonesia
Ebara Hai Duong Company Ltd.
Ebara Pumps Malaysia Sdn. Bhd.
Ebara-Densan Taiwan Manufacturing Co., Ltd.
Ebara Densan (Kunshan) Mfg. Co., Ltd.
Ebara Pumps Australia Pty. Ltd.
Ebara Densan (Qingdao) Technology Co., Ltd.
Kirloskar Ebara Pumps Limited

Environmental Engineering Company

Domestic :

EBARA ENVIRONMENTAL PLANT Co., Ltd.
Chubu Recycle Co., Ltd.
Ebara Engineering Service Co., Ltd.

Asia and Oceania :

Ebara Qingdao Co., Ltd.
Qingdao Ebara Rebirth Resource Power Co., Ltd.

Precision Machinery Company

Domestic :

Ebara Field Tech. Corporation
Ebara Kyushu Co., Ltd.

North America and South America :

Ebara Technologies Incorporated

Europe and Middle East :

Ebara Precision Machinery Europe GmbH

Asia and Oceania :

Ebara Precision Machinery Korea Incorporated
Ebara Precision Machinery Taiwan Incorporated
Shanghai Ebara Precision Machinery Co., Ltd.

Corporate

Domestic :

Nisetsu Co., Ltd.
Ebara Agency Co., Ltd.
EBARA SHOHANAN SPORTS CENTER INC.
Ebara Meister Co., Ltd.
ECE Co., Ltd.

North America and South America :

Ebara America Corporation

Fluid Machinery & Systems Company

Consolidated subsidiaries :
11 domestic and 25 overseas companies

Other companies :
4 domestic and 18 overseas companies

Environmental Engineering Company

Consolidated subsidiaries :
1 domestic and 3 overseas companies

Other companies :
7 domestic and 6 overseas companies

Precision Machinery Company

Consolidated subsidiaries :
2 domestic and 4 overseas companies

Other companies :
1 overseas companies

Corporate

Consolidated subsidiaries :
4 domestic and 1 overseas companies

Other companies :
2 domestic

Transporting water, air, and heat

The Fluid Machinery & Systems Company has long provided pumps, fans, compressors, chillers and other machinery that serve as the infrastructure of daily life and industry.

The company is expanding overseas production and sales bases to extend our business from a global perspective, and are greatly contributing to the industrial progress and infrastructural development around the world.



Main products

- Large pumps, high-pressure pumps, process pumps
- Large fans, blowers
- Compressors, turbines
- Standard pumps, fans
- Chillers
- Energy system equipment
- Fluid machinery systems engineering
- Other associated equipment



Frontier

Simulation technology

EBARA's evolving "monozukuri" (manufacturing) process
 Computer performance has been improving 100 times in every 3 years, and 1,000 times in every 10 years, and great changes are occurring in "monozukuri" (manufacturing) processes. The prediction of complex flow conditions using computational fluid dynamics or large-scale structures and vibration analysis of whole pump station constructions are essential technologies to secure performance and reliability of fluid machinery under severe operating conditions. In addition to abundant data, knowledge, and experiences accumulated over the years, EBARA's "monozukuri" process has been evolving still further with the numerical simulation technology and numerical optimization technology as its core technologies.



Internal flow visualization of mixed-flow pump



Vibration mode analysis of pump station

Seawater Desalination

EBARA's high-pressure pumps for seawater desalination support water in the 21st century



High-pressure pumps for Reverse Osmosis desalination plant

21st century has been called the "century of water," because the global water shortage will be a serious problem. Seawater desalination is humankind's final solution for the global water shortage problem. EBARA has a world-class delivery record of pumps for evaporation desalination plants, and is tackling the urgent task of enhancing products for reverse osmosis (RO membrane) desalination plants, which is becoming a mainstream in the market. EBARA's technology supports the core of the desalination process, such as a high-pressure pump that presses high-pressure seawater to an RO element, and highly efficient energy recovery systems from concentrated seawater after taking out the fresh water.



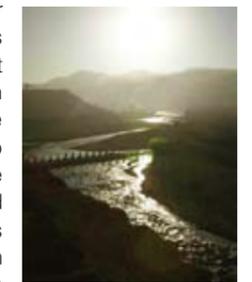
High-pressure pump

Topics

Advanced complex technology supported a mega-project

The Wanjiashai Yellow River Diversion Project in China

"In the Wanjiashai Yellow River Diversion Project, which was launched to solve the persistent water shortage problem in Shanxi Province in China, five pump stations were built to take the water from the middle of the Yellow River and deliver it through channels over a total distance of 270 km and at an altitude difference of 632 m.



This project is one of the largest water supply projects in the world, and makes high demands in terms of the water-feeding pumps; high-density sand, large capacity, high pressure, and high efficiency.

The project needed highly advanced and complex technologies. To achieve high efficiency and high suction performance, the 3-D Inverse Design Method was applied for the hydro dynamic design. To ensure erosion-resistance while operating in high-density sand water, EBARA reviewed the pump structure design, conducted research and development on durable materials for pump parts such as impellers, and reviewed the construction techniques.

It was an unforgettable moment for all the members when the pumps of the five stations were connected and the water finally went into a dried branch of the Yellow River.

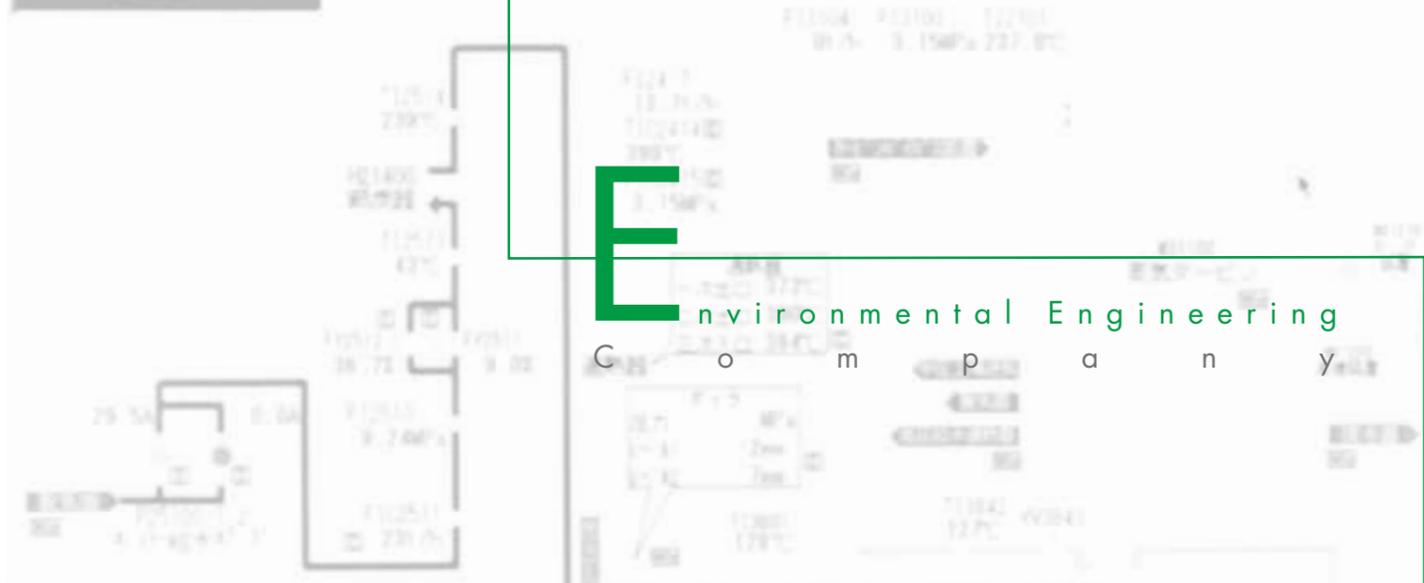
EBARA awarded The Japan Society of Mechanical Engineers (JSME) Medal for New Technology (2006)."

Shinya Hibino,
 Custom Pump Division,
 Fluid Machinery &
 Systems Company
 (fourth from the right)



Building a sustainable society

The Environmental Engineering Company sets up a corporate mission of “building a sustainable society”, and conducts global-basis businesses infrastructure facilities associated with environments and energy. The company, on the basis of advanced environment- and energy-related technologies centering on the incineration and gasification technology and water treatment technology, provides total solutions for various types of problems.



Main products

- Waste treatment and recycling facility and equipment
- Biomass power generation plant
- Water treatment and recycling facility and equipment
- Biomass treatment and recycling plant
- Water and incineration ash treatment chemicals and industrial chemicals



Frontier

Fluidized-bed gasification and ash melting furnace

High efficiency recovery of energy and recycled metal

This system adopts a proprietary swirled melting furnace and has the following features:

- (1) Can be stopped safely in an emergency whenever required.
- (2) Melting with outstanding energy efficiency
- (3) Metals can be recovered as valuable byproducts
- (4) Can also be operated easily as an incinerator



External view of gasification and ash melting furnace plant for the Kurahama Sanitary Facilities Association

Total services in plant construction and operation

A secure and safe service

As a result of extensive expertise in industrial waste treatment technology and a nationwide operation and maintenance management service network, we provide secure and safe total services not only in the planning, design, procurement, and construction of plants but also in their operation and maintenance management.

Water treatment plant business

3-company joint venture intended for the dramatic growth as a comprehensive water solution business company

In April, 2010, Ebara Engineering Service Co., Ltd. (EES) which handles the water business of the EBARA Group, formed a new 3-company joint venture between Ebara Corporation, Mitsubishi Corporation (MC) and JGC Corporation (JGC) with a view to expanding business further in the growth field of the water business in Japan and overseas.

This joint venture aims to parlay each company's strengths into a stronger business platform for EES in Japan and further expansion in the global market for water business, where European companies have a commanding presence. EES has engineering expertise in water business, and a Japanese network in the operation and maintenance (O&M) of water supply and sewage systems. MC possesses a global network as well as expertise in business management, while JGC has a proven track record in global engineering and project management.

Topics

EBARA fluidized-bed gasification and ash melting furnace for Kurahama Sanitary Facilities Association

Power generation and slag recycling from garbage

“This plant adopts the EBARA fluidized-bed gasification and ash melting furnace for the kurahama Hygiene facilities union in Okinawa prefecture, and has been operating without hitch since April, 2010. It generates electricity from 309 tons of garbage per day for about 14,000 households. This amount of electricity is equivalent to about 130 tons of CO₂ per day.”



Kazuaki Watanabe (left of photo)
Engineering Department 3, Maintenance Engineering Division
EBARA ENVIRONMENTAL PLANT CO., LTD.

Kashiwa City waste incineration plant long-term commissioned management

Safe plant management and reduction of LCC

“We have been managing operation and maintenance of the waste incineration plant for Kashiwa City, Chiba Prefecture, since 2008 as part of our long-term commissioned plant management business. Here, we have been working to extend the service life of the plant, reduce Life Cycle Cost (LCC), and maintain the safe and secure operation of the plant.”



Mitsuyoshi Takami (center of photo)
Long-term & Umbrella Agreement Business Division
EBARA ENVIRONMENTAL PLANT CO., LTD.

Providing leading-edge microfabrication technology

The semiconductor, FPD and alternative energy industries are of increasing importance as a social infrastructure.

The Precision Machinery Company, with an eye toward the full-fledged arrival of the nanotechnology age, has developed, manufactured, and sold various semiconductor manufacturing equipment and component devices meeting customers' needs.

Precision Machinery
Company



Main products

- Vacuum equipment**
 - Dry vacuum pump
 - Turbo molecular pump
- Semiconductor manufacturing equipment and device**
 - CMP systems
 - Plating systems
 - Bevel polishing equipment
 - Gas abatement systems
 - Ozonized water generator
 - Ultra high-concentration clean ozonizer
 - Clean pumps



Frontier

Technology for saving resources

EBARA's technologies for saving resources and fighting global warming

In production lines of state-of-the-art electronic devices such as semiconductors, LCDs and photovoltaic cells, EBARA makes continued efforts toward protecting the Earth's environment, and puts the industry's highest grade of environmental conservation technology into use to meet customers' needs.



In the field of dry vacuum pumps, EBARA has released a series of products with a power consumption at rated operation reduced to under 500 W (2,000 L/min class). In the field of emission-gas abatement equipment, EBARA was successful in putting into use a combustion-type emission gas abating device that decomposes high-flow process gas containing PFC gases, which are a global warming gas, and a fluorine-gas-captured emission gas abatement device, which never emits water tainted with hydrofluoric acid.

CMP systems

Ebara's planarization technology supporting fine processing of semiconductor wafers

CMP system is a planarization tool, installed in a cleanroom to polish semiconductor wafer surface chemically and mechanically in the semiconductor manufacturing process. This system, built on a concept of dry-in, dry-out processing, is highly regarded by semiconductor device makers for its excellent processing performances, high reliability, and flexible system configuration meeting customers' specifications. To meet the demands for ever-advancing technology of semiconductor manufacturing, EBARA will make continuous efforts in developing advanced processes, manufacturing new equipment, and expanding service and support frameworks.



Topics

Semiconductor manufacturing technology that will make for a comfortable life in the future

"The dramatic changes in our daily lives in recent years owe much to the technological innovations in semiconductors, which are installed in many electronic devices.



I was stationed in the U.S.A., and had a challenging opportunity of supporting the best-of-the-industry customers in the world. EBARA's plating systems are used in important processes of forming fine patterns on semiconductors. To produce semiconductors, which become more and more compact and high-speed every year, it is essential to continue developing manufacturing technologies, including the implementation of finer designs, and therefore problems that we shall overcome occur one after another.

To solve these problems, EBARA takes advantage of its comprehensive technological prowess, conducts a series of examinations and reviews, and works out the best solutions.

Sometimes our opinions conflict with our customers. However, we feel a great sense of accomplishment and joy when we finally solve a problem after presenting our opinions on the basis of our own technological prowess and having a series of tough discussions."



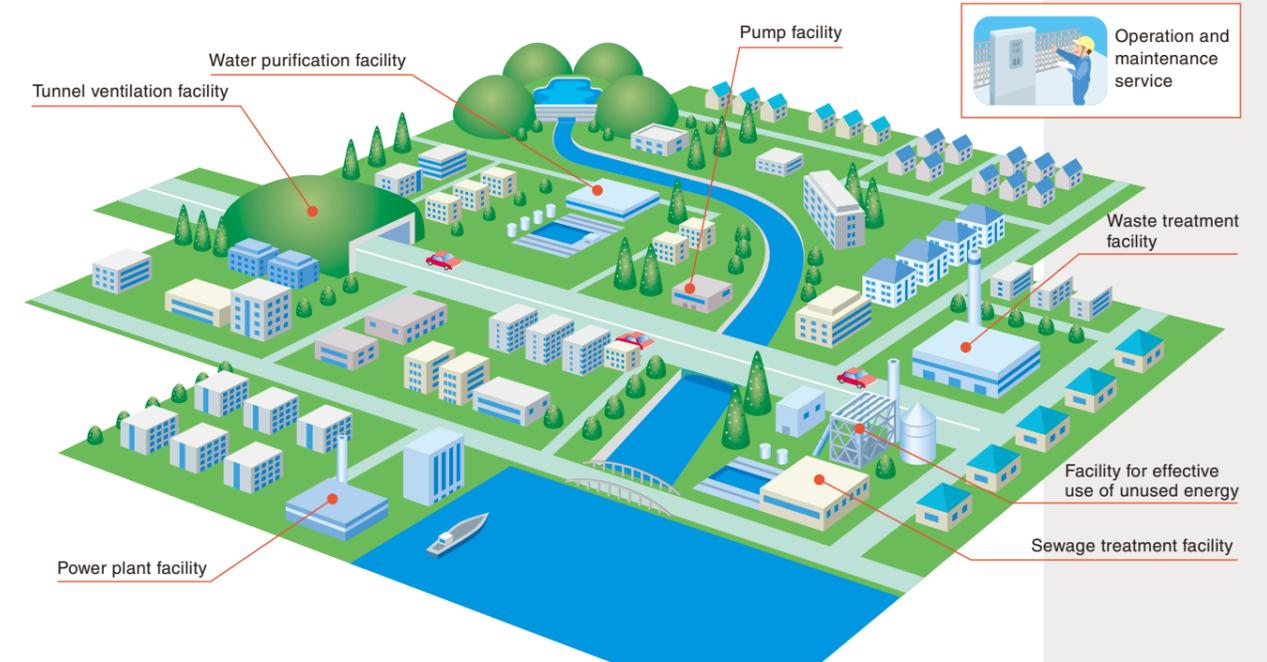
Toshikazu Yajima,
Planning & Engineering Group,
Plating Equipment Department,
Semiconductor Equipment Division,
Precision Machinery Company

Supporting Society



EBARA's technologies are found here and there

EBARA's products, technologies, and services support many social scenes in cities, towns and agricultural villages. A pump prevents floods by draining rainwater to an ocean or a river. Technologies of water treatment and water supply and drainage are indispensable for lives in society. Although they are behind the scenes, and not in everyday view, technologies such as those used in fluidized-bed gasification and ash melting plants for extracting gases from waste, contribute to creating a recycling-based society and to reducing greenhouse gases, and they support the basis of society.



Pump facility

Fluid Machinery & Systems Company

Pumps playing great roles in social infrastructure

Pumps play important roles close to our daily lives including use in water supplies, flooding prevention, and seawater desalination. We are highly regarded as the best pump manufacturer in the business by society and customers with our superior technology and reliability based on our real accomplishments since our foundation. EBARA's origin of "monozukuri" (manufacturing) is pumps, which are essential for social infrastructure such as water supplies, sewage, flooding control and agriculture, and EBARA will keep taking on challenges to create new value and make technological innovation.



Vertical volute pump for the North Chiba Waterworks Project

This pump sends water from the Tone River to the Edo River to supply city water. The water is not only used for city water but is also sent to the Teganuma pond for rehabilitating polluted water.



Vertical mixed-flow pump with variable pitch vane

This pump is used for rainwater and river water control. The flow rate can be controlled by changing the pitch angle of impeller blade.



Drainage pump for Outer Tokyo metropolitan area storm drainage

This is the world's largest drain-water pump facility with a total draining capacity of 200 m³/s. To reduce construction costs and improve reliability, state-of-the-art technologies are employed.



Horizontal mixed flow pump

This pump is mainly used for drainage and irrigation services. It is exceptionally easy to maintain with a dual upper and lower casing system. By removing the upper casing, internal rotation parts can be easily removed.

Power plant facility

Fluid Machinery & Systems Company

Technologies in a power plant

A variety of EBARA's devices and technologies are used in power plants. Many of EBARA's products and technologies are employed in a number of power plants all over the world, for example, high-pressure boiler feed pumps, large-capacity cooling water pumps, hydro turbines for hydroelectric power plants, and water treatment equipment for nuclear power plant condensate and cooling water systems.



Super-critical pressure boiler feed pump for power plants
This pump is used also as a descaling pump in steel plants, and as an injection pump in the oil industry.

Tunnel ventilation facility

Fluid Machinery & Systems Company

Technology for protecting road tunnels

Inside tunnels, where natural ventilation is difficult, forced ventilation is necessary to avoid the accumulation of soot and dust, carbon dioxide, and other toxic substances contained in exhaust gas. Cylindrical jet fans on the ceiling and large axial fans installed in ventilation towers are used for tunnel ventilation. EBARA's fans are installed in many tunnels all over Japan, not only for tunnel ventilation, but also as an emergency smoke ventilation system in case of fire.



Axial fan for the Tokyo Bay Tunnel ventilation facility
In a long tunnel such as the Tokyo Bay Tunnel, several large fans and ventilation towers are installed to ventilate the whole tunnel.

Waste treatment facility

Environmental Engineering Company

From waste treatment to creation of energy and resources

EBARA's waste treatment technologies are divided into two incineration technologies: one for a stoker furnace and another for a fluidized bed furnace. To deal with the scarcity of landfill sites and environmental problems, EBARA has tackled the technologies of recycling, waste reclamation, reduction of ash after incineration, and high-efficiency power generation using waste through the development and modification of incineration, gasification and melting technologies. EBARA not only contributes to environmental conservation with those technologies, but also contributes to building a sustainable society by using the waste as a source of energy and a new resource.



Stoker furnace and plasma ash melting type waste incineration power generation plant for the Arakawa Clean Center incineration plant
Here, the very latest next-generation stoker incineration technology is helping stable incineration and high-efficiency power generation to be conducted with low environmental impact. For the Environmental Engineering Company, this was its first DBO and the company is tackling this as a model undertaking.
EBARA ENVIRONMENTAL PLANT CO., LTD.



Fluidized-bed gasification and ash melting plant for Chubu Seisou Kumiai
This facility discomposes waste and melts ash waste using the heat of the waste itself. This environment-friendly facility generates power with a boiler and turbine facility, and reuses all the wastewater from plants.
EBARA ENVIRONMENTAL PLANT CO., LTD.



Large stoker incineration and ash melting facility for Adachi Refuse Incineration Plant
This facility generates power using the heat generated by a garbage incinerator, and turns the ash into slag using a plasma-melting furnace with the generated electricity. The slag is used as a subgrade material for roads.
EBARA ENVIRONMENTAL PLANT CO., LTD.



Waste incineration and fluidized-bed gasification power plant for Tokyo Waterfront Recycle Power
This facility gasifies industrial waste and melts ash, such as waste plastic materials and building rubble, and recaptures the heat generated by the incineration of medical waste, and generates power of 23 MW.
EBARA ENVIRONMENTAL PLANT CO., LTD.

Water purification facility and sewage treatment facility

Environmental Engineering Company

Advanced technology that conserves water environments

EBARA delivered the first made-in-Japan high-speed filtration system in 1931, since then we have a long list of systems delivered to facilities as a pioneer in water treatment. Meeting the needs of society, EBARA has provided advanced technologies and products to water purification plants and wastewater treatment plants, taking advantage of its abundant experience in high-grade processing, energy saving, labor-saving, and anticorrosion measures.



Water purification facility
The plants work all over Japan to ensure tap water that people can drink with a sense of security, that is stably supplied, and with a service provided on a sustainable basis.
Ebara Engineering Service Co., Ltd.



Sewage treatment facility
The company always provides the latest technologies to contribute to recycling and using water resources and using energy at sewage treatment plants all over Japan.
Ebara Engineering Service Co., Ltd.



Dea Reformer (sludge deaerator facility)
This is EBARA's original technology for efficiently removing bubbles in sludge by using a vacuum. This system improves helps sludge to settle more efficiently and reduces the burden of water processing.
Ebara Engineering Service Co., Ltd.



Water purification plant in Thang Long, north of Hanoi
This water purification plant with a processing capacity of 50,000 m³/d was constructed in a joint venture with Taisei Corporation. EBARA also delivered the sewage processing plant and pump facility constructed together with the plant.
Ebara Engineering Service Co., Ltd.

Facility for effective use of unused energy

Fluid Machinery & Systems Company

Environmental Engineering Company

Preventing global warming and reducing energy costs

EBARA has been developing products and technologies for effective use of energy resources such as biomass energy, which have not been sufficiently used. Taking advantage of digestion gases from sewage treatment plants and energy generated by livestock excretion is effective not only for reducing energy-related costs but also for reducing the emissions of global warming gases.



Micro gas turbine cogeneration package for digestion gas application
The system has a high total efficiency of 75% or more with power generation using the digestion gases produced by the sludge-digesting process in a sewage treatment plant and effective usage of the generated heat for heating the digestion bath at the same time.
EBARA CORPORATION
Ebara Engineering Service Co., Ltd.

Operation & Maintenance business

Environmental Engineering Company

Operation and maintenance to draw out the best performances

Even superior technologies and state-of-the-art facilities may not sufficiently deliver performances without the correct operational and maintenance practices. EBARA, with accumulated total technologies spanning fields from engineering and operation management to maintenance, enables optimized and low-cost operations of facilities and lower lifecycle costs. With the total business capacity of the group, EBARA is also working toward lengthening the service life and the collective commission of operations to a private company regarding existing waste disposal plants and water supply and sewage plants.



Maintenance and management of facilities
Taking advantage of its knowledge and technological capabilities as a plant maker, the company provides rapid and optimal services to control management offices all over Japan.
EBARA ENVIRONMENTAL PLANT CO., LTD.
Ebara Engineering Service Co., Ltd.

Supporting industries



EBARA's technologies are found here and there

EBARA's products, technologies, and services support every industry: Turbines and compressors are used for the petrochemical industry, pumps and water treatment equipment are used for various fields including food manufacturing and paper manufacturing, and vacuum technology and gas emission technology are indispensable for semiconductor manufacturing processes.



Facilities in the petrochemical industry

Fluid Machinery & Systems Company

Fluid machinery working in petrochemical plants all over the world

Fluid machinery, such as high-performance compressors, turbines, and pumps, are essential products for oil refineries and petrochemical plants. Compressors, in particular, are called "heart of the plant" and high reliability is required in both performances and functionalities. EBARA has supplied numerous compressors from early in its history, as seen in an epoch-making large gas turbine driven compressor for LNG (liquid natural gas) plant in 1976 which was the world's largest compressor at that time. EBARA also has many delivery records of cryogenic pumps which are used for processing LNG with an ultra-low temperature of -162 degrees centigrade.



Large horizontal split type compressor
This type of compressor has a world-class high efficiency. In addition to the horizontal split type, barrel-type compressors can be used for high-pressure or hydrogen-rich gas operation.
Elliott Group



Seawater cooling pump
Pumps with low cost, high quality and short lead time are achieved using two-phase stainless steel that has excellent performance against pitting corrosion and stress corrosion and steel welded casing. This pump has many delivery records.



Cryogenic pump
EBARA's cryogenic pumps are actively working in many LNG plants, tankers, and bases all over the world.



Multistage steam turbine
This is a multistage steam turbine used for driving compressors. EBARA has delivered more than 350 units all over the world since 1972, the first shipment of the product.
Elliott Group

Semiconductor manufacturing equipment

Precision Machinery Company

Leading-edge semiconductor manufacturing technology

Manufacturing semiconductors involves various processes. EBARA develops and manufactures various types of semiconductor manufacturing equipment required for major manufacturing processes, such as a process of evenly polishing the surface of a wafer, which is a material for a semiconductor; a process for removing and cleaning defects on the edges of wafers; and a process for plating the surface of wafers and forming an electric circuit. And, we devote our energies to developing advanced technologies for next-generation equipment.



CMP systems

This is a dry-in, dry-out basis advanced system that has the function of polishing the rough surface of wafers into a flat surface, as well as a cleaning process.



Bevel polishing equipment

This equipment polishes to remove any defects on the wafer bevel and notch to improve the production yield.



Plating systems

Plating systems are installed in a clean room and forms fine patterns such as bumps on a semiconductor wafer. EBARA employs a vertical plating system to achieve high-quality forming of bumps and wiring plates.

High vacuum and emission gas abatement required for manufacturing processes of electronic devices

Dry vacuum pumps and turbo molecular pumps are used to create a high vacuum required for manufacturing semiconductors, LCD panels, and photovoltaic cells. Meanwhile, the various gases used in manufacturing processes include many types of gases that directly affect global warming, such as PFCs gas that is said to have a global warming factor 10,000 times as high as that of carbon dioxide. The gas-emission abating technology works to decompose and treat those gases securely and efficiently. EBARA's technology works to accomplish the clean environment demanded by customers.



Dry vacuum pump (ESA model)

This roots-type of dry vacuum pump is designed to exhaust air promptly from a large vacuum chamber such as an LCD panel manufacturing equipment or photovoltaic cell manufacturing equipment.



Dry vacuum pump (EST model)

This is a screw-type of dry vacuum pump developed for a CVD process that produces process by-products (solid matter).



Fluorine-gas-captured emission gas abatement equipment (FDS model)

This fluorine-gas-captured emission gas abatement equipment decomposes PFCs gas, which is used in the etching process, and captures the fluorine components.



Combustion exhaust gas abatement equipment (G⁵ model)

This new type of combustion exhaust-gas abatement equipment easily decomposes various process gases, such as PFCs gas, one of the global warming gases.

Supply water and wastewater systems

Environmental Engineering Company

Contributing to supply water and wastewater systems of every industry with state-of-the-art technology

To supply water of the required quality, to process wastewater, and to recycle water, EBARA meets various needs in the industrial field. To satisfy the quality of water required for industries and plants, the company has developed various processing technologies for water supply using preprocessing equipment, water softening equipment, and pure water equipment. In addition, it has developed various wastewater processing and water recycling technologies in accordance with water qualities and target substances, using a chemical oxidation process with ozone, an adsorption with activated carbon, and filtering. EBARA contributes to the industrial field by providing the best water processing systems that meet the customers' needs.



Electrodeionization (GDI)

This is EBARA's original electric desalinating system using an ion exchanger by radiation-induced graft polymerization. This is used to generate pure water and ultrapure water in combination with a reverse osmosis (RO) membrane. Ebara Engineering Service Co., Ltd.

Pump and fan for steel industry

Fluid Machinery & Systems Company

Pumps and fans influence steel quality

Many pumps and fans are used in the steel industry. EBARA has delivered many gas circulation fans used to extinguish red-hot coke, and high-pressure pumps called descaling pumps used to clear impurities on sheet steel surfaces in manufacturing processes. EBARA's pumps and fans, which have high efficiency to satisfy the energy-consuming steel industry requirements and advanced performances to secure high-quality production, are highly regarded in the global steel industry.



Gas recirculation fan for coke dry quenching facility
Long-term stable operation is essential for these fans. In addition to high efficiency, anti-abrasion performance is required for operations in a coke-particle-rich environment.

Biomass power generation plant

Environmental Engineering Company

Fuel conversion system using ligneous biomass

EBARA provides an internal circulation fluidized-bed boiler (ICFB) that applies fluidized-bed technology, a technology developed by the effective use of energy from various types of waste discarded from industries, to biomass power generation. Thanks to reliability backed up by extensive results so far and a revolutionary boiler evaporation control technology using a proprietary in-sand heat recovery mechanism, ICFB achieves stable power generation in fuel conversion systems that use ligneous biomass as their raw material. ICFB is expected to see practical application even more as a trump card for preventing global warming and as a countermeasure to escalating fossil fuel prices.



Nakoso Plant Biomass Boiler, Nippon Paper Group, Inc.

This facility has a processing volume of 514 t/d, and generation capacity of 15 MW. The facility recovers heat using mainly wood chips from construction waste, and generates power with a turbine for energy for use in the plant.

EBARA ENVIRONMENTAL PLANT CO., LTD.



Hita Power Plant, Hita Wood Power Co., Ltd.

Using ligneous biomass as a material, ICFB recovers heat. This commercial biomass power plant generates 12 MW of power with a steam turbine.

EBARA ENVIRONMENTAL PLANT CO., LTD.



Gonoike Biomass Power Station, Gonoike Bioenergy Corporation

This power station recovers heat by ICFB from ligneous biomass as raw material, and generates 21 MW of energy by a steam turbine.

EBARA ENVIRONMENTAL PLANT CO., LTD.



Biomass power generation equipment for Tochigi Plant, Sumitomo Osaka Cement Co., Ltd.

The ICFB recovers heat by burning mainly wood chips to generate 25 MW of power by a steam turbine which is fed to the cement works.

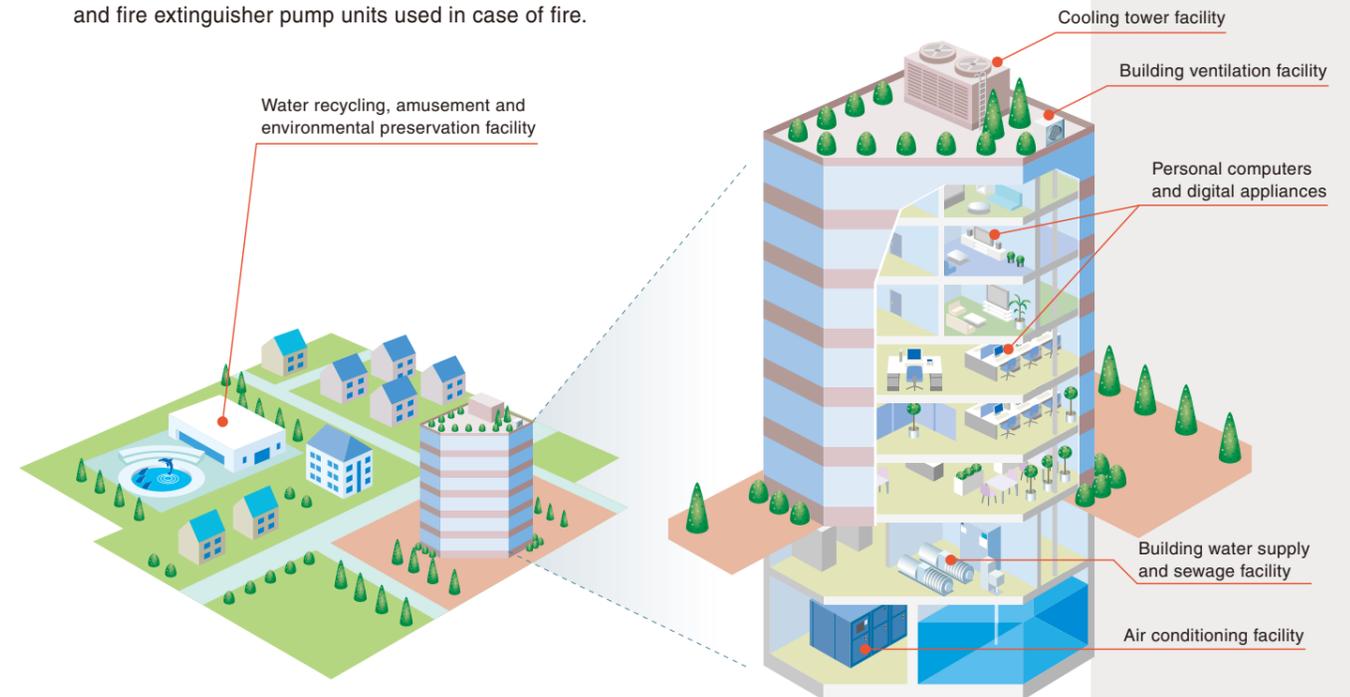
EBARA ENVIRONMENTAL PLANT CO., LTD.

Supporting people's lives



EBARA's technologies are found here and there

EBARA's products, technologies, and services support people's lives in a variety of scenes in offices and households: chillers for air conditioning systems in large facilities such as office buildings, public buildings, or shopping malls; ventilation fans for changing the air in closed, windowless spaces such as high-rise buildings or underground shopping arcades; pump units that send tap water to the top floor of high-rise buildings such as office buildings or condominiums; and fire extinguisher pump units used in case of fire.



Building water supply and sewage facility

Fluid Machinery & Systems Company

Pumps working in familiar places

Pumps are used for various purposes in buildings and condominiums. Even though many people do not have much opportunity to see these pumps, which are used for tap water supplies, emergency fire extinguishers, sewage and rain water discharge, and wells, EBARA's pumps support people's daily lives in familiar places.



Water supply unit for high-rise buildings
This pump unit has a high capability to supply water up to a height of 60 stories (250m). It has an enhanced backup function to prevent any water outage in the event of a failure.



Direct-water supply booster pump
This pump is connected directly with a city water pipe and provides additional pressure to supply tap water with adequate pressure. This pump eliminates the need for a water receiving tank and enables a hygienic water supply while saving space and energy.



Stainless steel vertical multistage pump
High-efficiency and high-performance pumps with stainless-steel hydro parts (impellers, middle casings, etc.) designed by EBARA's original design and analysis method.



Fire pump unit
This pump is used for fireplugs and sprinkler facilities. It is certified by the Fire Equipment and Safety Center of Japan.

Building ventilation facility

Fluid Machinery & Systems Company

Breathing technology for buildings and underground shopping arcades

Adequately air conditioned buildings or underground shopping arcades are comfortable, but at the same time they are closed spaces. In facilities where natural ventilation is difficult, it is essential to have forced ventilation systems using fans. External air taken by fans is fed to every place in the facility through air supply ducts, and internal air collected through exhaust air ducts is exhausted by fans. In the same way as a human breathes, so a facility breathes with EBARA's fans.



Single-suction fan "Multi-Ace" type
This highly reliable and durable fan is used for building ventilation.

Air conditioning facility

Fluid Machinery & Systems Company

Supporting technology for air conditioning in cities

In large commercial facilities like office buildings or shopping malls, refrigeration equipment such as chillers or water chillers/heaters is used for air conditioning. EBARA's refrigeration equipment can be applied in a wide variety of applications from general air conditioning to industrial use, especially in semiconductor manufacturing plants. Corresponding to the increasing awareness of environmental problems in society, such as preservation of the ozone layer and suppressing global warming, EBARA devotes its energies to developing high-efficiency and energy-saving products, which can contribute to environmental load reduction, and gives support for creating a comfortable environment.



Centrifugal Chiller
It is almost 80 years since EBARA delivered the first made-in-Japan centrifugal chiller. Taking advantage of its delivery records and know-how, EBARA develops and provides ultra-energy-saving products and inverters. Ebara Refrigeration Equipment & Systems Co., Ltd.



Screw modular chiller
This compact and easily-installable chiller series is suitable for use in renovating buildings. Highly efficient operation is achieved by number control of operating units and inverter control. Ebara Refrigeration Equipment & Systems Co., Ltd.



Absorption-water heater chiller
This unit is applicable to both cooling and heating, and can be used for air conditioning through the year. In addition, this product has wide variety of fuel types, applications and places where it can be installed. Ebara Refrigeration Equipment & Systems Co., Ltd.



Steam absorption chiller
EBARA developed the world-class steam consumption rate absorption chiller. This chiller is used in combination with boilers in hospitals and manufacturing plants. This chiller is also suitable for a wide range of uses such as for large-scale facilities of regional cooling and heating systems. Ebara Refrigeration Equipment & Systems Co., Ltd.

Cooling tower facility

Fluid Machinery & Systems Company

Supporting technology for air conditioning and production lines

The user of chillers causes the temperature of cooling water in equipment to rise. Cooling towers fulfill the function of radiating the heat from this hot cooling water to the outside air to lower the temperature of the cooling water and once again return it to the chiller. Cooling towers are indispensable for circulating and recycling cooling water.

They are also used as cooling facilities in production lines, for example, for compressors and die/injection molding machines.



Square, cross-flow type cooling tower
This unit installable type can be installed on site in a much shorter time. Its internal piping system making piping easier. Use of newly developed filling materials results in a smaller installation footprint and lighter weight. Steel parts are treated with molten zinc plating to completely prevent rust. Ebara Shinwa Ltd.

Personal computers and digital appliances

Precision Machinery Company

Challenging nanotechnology

Semiconductors are the brains of electronic devices so to speak, and are indispensable in people's lives today. It is difficult to find a device that does not use any semiconductors. EBARA's technologies are employed also in manufacturing semiconductors. It is necessary for manufacturing semiconductors to develop leading-edge nanotechnologies and to accomplish a clean environment. EBARA help to create people's abundant lifestyles by supporting the semiconductor industry.



Dry vacuum pump (EV-S model)
Incorporation of the very latest technology helps achieve energy savings of 40% and higher than that of conventional in-house models. Also, with this next generation dry vacuum pump, materials and exhaust structure can be selected to suit specific application requirements.



CMP systems
This is a dry-in, dry-out basis of advanced system that has the function of polishing the rough surface of wafers into a flat surface, as well as cleaning process.



Dry resin exhaust-gas abatement equipment (GT model)
This is a dry resin exhaust-gas processing equipment that makes harmless the various process gases used in the semiconductor manufacturing processes, by chemically decomposing them or physically absorbing them in accordance with the process gas types.



Dry vacuum pump (PDV model)
This compact air-cooled, non-contact type dry vacuum pump features the high performance of vacuum pumps, high energy savings performance, and light weight (20 kg or less).

Environmental Engineering Company

Water recycling, amusement and environmental conservation facility

Technologies to create water familiar to daily life

EBARA's water processing technology helps people to relax in their daily lives. The company provides optimum systems for aquariums and amusement parks, taking advantage of its abundant track records of achievement and technologies. In complex buildings and hotels, on the other hand, the systems process drain water from kitchens and various types of sewage, and uses the processed water and rainwater in a "recycling system" for recycled water supply. EBARA supports the use and recycling system of water, taking advantage of its abundant experiences and technologies in water processing, such as advanced processing techniques of sewage and wastewater.



BIOPAC, Biological aerated filter
Biological waste treatment and filtering is performed at one processing site. This system has a wide range of uses, from organic wastewater processes and advanced sewage processing, to clarification of water in ponds and rivers. Ebara Engineering Service Co., Ltd.



FM filter, Hydraulic floating media filter
Polyethylene floating filter material has superior cleaning efficiency and durability. The unit doesn't need incidental equipment for cleaning the filter material. It is suitable for reuse of rainwater and treatment of recycled water. Ebara Engineering Service Co., Ltd.



Ultraviolet sterilization equipment
Because this equipment can disinfect and sterilize water in a short time without using chemicals, it is used when disinfecting water with chemicals is inappropriate, such as water for aquaculture fish, and other wide range of uses such as playing parks, and water for drinking purposes. Ebara Engineering Service Co., Ltd.



Aquarium equipment and facility
This equipment developed and designed on the basis of various technologies and experience about water processing, as well as aquatic ecology is employed in aquariums all over Japan and is highly regarded. Ebara Engineering Service Co., Ltd.

Devoting untiring efforts to research as an R&D-oriented company

As an R&D-oriented company, EBARA values research and development as an important theme of its business operations.

The mid-term and long-term management plans state promotion of research and development, meeting customers' needs, improvement of research and development efficiency (contribution of investment on research and development to profits) and reviewing its management of intellectual properties.

In existing business fields, EBARA will promote research and development to increase added values of products, as well as research and development related to cost reductions and manufacturing technologies, toward improving its competitiveness and profitability in each business field.

R&D System

For promoting existing businesses, each company is promoting R&D on their own initiative geared to customer needs, and are focusing on fields where the results of R&D can quickly lead to new results in business and product development, and increased income.

On the other hand, with regard to searching out technological seeds based on basic research and long-term vision, maintaining and improving fundamental technologies, expanding existing business, and commercializing or releasing of new products on the market, research and development up till now has been conducted by Headquarters.

Each company and Headquarters are conducting R&D in close collaboration with each other, and are aggressively promoting open innovation with universities and other external resources to best apply their knowledge and expertise.

R&D Themes

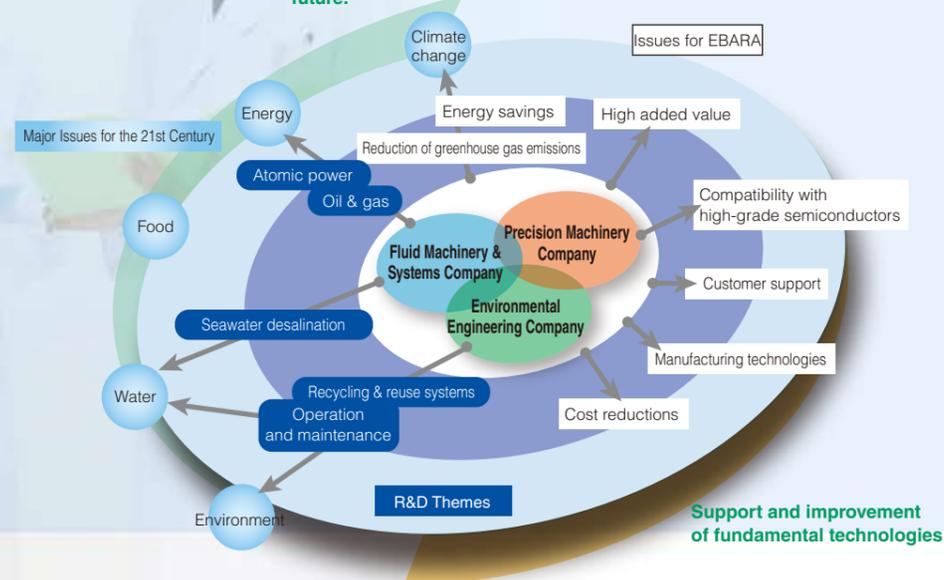
In existing business fields, EBARA has selected R&D themes from a customer needs viewpoint - the development of new products, higher added value in existing product groups, higher performance and efficiency, and reduced lifecycle costs and environmental impact, and improved customer services. Besides these, it is also implementing measures to reduce costs and improve manufacturing technologies.

Semiconductors and electronic devices today are indispensable in supporting the very fabric of our lives and all sectors of industry. This is an area of spectacular growth; R&D matched to advances in this area, too, is vital.

Driven by a corporate philosophy of "extensive contribution to society by providing superior technologies and services related to water, air and environment," also reliably sensing major market trends and devoting its energies to promising fields amongst its existing product groups, without losing sight of its mission to help solve themes of climate change, energy, food, water, and the environment confronting Man in the 21st century.

Future Outlook

We are focusing on themes that will respond to social and customer needs but with our sights also on the long-term future.



Support and improvement of fundamental technologies

Intellectual property rights - that's how we began

Basic Approach of Intellectual Property Strategy

Ever since our founding in 1912, the company has valued inventions and patents very highly as typified by two inventions, including Japanese Patent No. 21092, which formed the company's business base.

One particular patent, the variable vane axial-flow pump that we submitted for application in 1928, is of particular mention. Another company submitted a claim for trial for invalidation, which we contested by appeal up to the Supreme Court and finally won after 15 years.

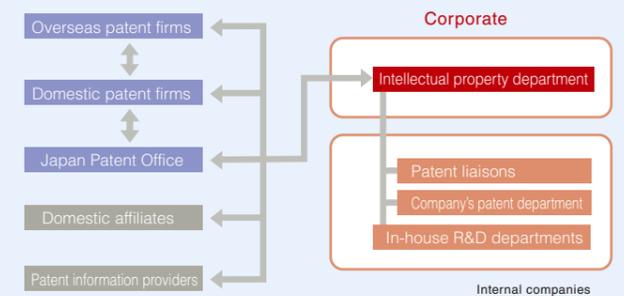
Three factors have sustained corporate growth as a 21st century-oriented company - speed to make quick decisions, scale to develop our business globally and specialty to develop highly specialized technologies. As one of the pillars of our business and R&D strategy, we are fully committed to advocating respect of others' intellectual property and strengthening activities for boosting our own intellectual property under the slogan "intellectual property originates at the work site."



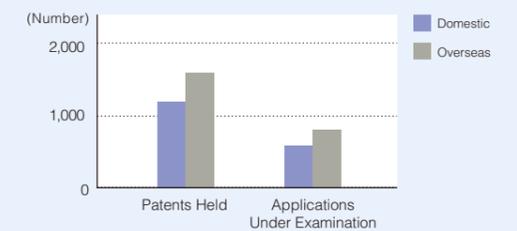
IT-assisted Intellectual Property Activities

At EBARA, we have streamlined our IP activities with the deployment of information technology (IT). IT facilitates synchronous collaboration within the organization - among the Intellectual Property Department, the Patent Departments and Patent Liaisons, who serve as patent counselors at each Technology Division through formal and informal communications and interactions. The Intellectual Property Department has functioned as part of the Corporate Division executing Headquarter functions to manage all of the EBARA Group's IP, while the Patent Departments have been established at each of the internal companies. We have deployed an electronic patent application and patent information distribution system for communicating filing documents between inventors, patent liaisons, companies, patent departments, intellectual property departments, and patent attorneys, and are currently expanding this into an integrated network system for also handling inquiry and investigation tasks.

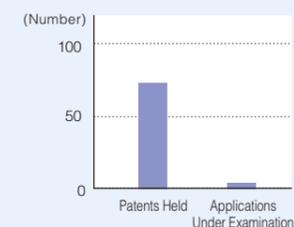
Intellectual Property Workflow



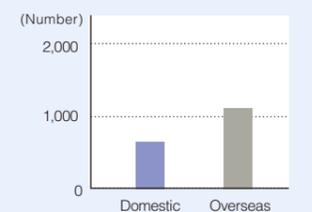
Number of Patents and Utility Models Held and Applications under Examination (Domestic/Overseas)



Number of Designs Held and Applications Under Examination (Domestic)



Number of Trademarks Held (Including CI Marks) (Domestic/Overseas)



Effective Use of Intellectual Property is an Important Activity

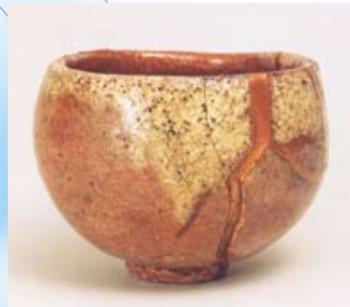
EBARA's rich history as an innovator has resulted in more than 1,200 Japanese patents, 1,600 patents overseas, as well as over 670 trademark rights in Japan and over 1,200 overseas. EBARA uses IP not only for implementing on its own products to secure a competitive advantage in the market, but also for licensing and various other purposes. In line with positive business development in Asian markets including China headed by wind and water power business, EBARA's policy is to reinforce its activities for supporting business growth in this direction through the protection and effective utilization of IP.

To connect people and society, and live together

EBARA contributes to people's lives, the progress of society, and improvement of the Earth's environment through its businesses.

At the same time, as a member of society, EBARA contributes to people, society, and the Earth's environment by promoting interaction with local communities, by fostering cultures, sports activities, by promoting technological advance activities and environmental conservation activities.

Furtherance of arts and technologies



Akaraku teacup "Seppo," by Honami-Koetsu, National Important cultural property, Collection of the Hatakeyama Memorial Museum of Fine Art

Hatakeyama Memorial Museum of Fine Art

The Hatakeyama Memorial Museum of Fine Art opened in October 1964. Its collections, nearly 1,300 pieces of tea sets, pieces of calligraphy, china, Japan ware, and Noh play costumes including Japan's designated 6 national treasures and 32 national important cultural properties are displayed.



Technology seminar by the EHMF

EBARA Hatakeyama Memorial Fund (EHMF)

The EHMF was established in 1989 to promote mutual understanding and friendship with mainly Southeast Asian countries. Since it was established, grass-roots international aid activities have continued with regard to technical support, suitable technical development, and scholarship.

Environmental preservation

EBARA GREEN FUND

To study the prevention of global warming and the preciousness of nature, the foundation conducts greening activities in Japan and overseas, and activities of preserving tree-planting forests and back hills.



Tree-planting activities on Mt. Fuji by the EBARA GREEN FUND



Exhibition of paintings (Ginza Art Hall)

The EBARA Group Worldwide Kid's Environment Paint Exhibition

The exhibition started in 1998 to understand the beauty and preciousness of nature by drawing pictures under the theme of nature. Paintings by children of the EBARA Group's employees and their friends all over the world are exhibited.

Sports



Basketball coaching

Basketball coaching

The "Ebara Vickies" teaches the basics of basketball as a special guest instructor, not only in the local Ohta area but all over Japan, when they visit for away matches.



"TENNIS DAY" workshop

Tennis school (Ebara Shonan Sports Center)

Using fully-equipped facilities the school devotes its energies to fostering junior players so that they can play on the global stage in the future. On September 23, which is "TENNIS DAY," it holds a free tennis workshop for children.

Social welfare



Collecting used clothing

Recycling used clothing

Used and unnecessary clothing are collected from employees and sent to support regions suffering from poverty and refugee camps, through a volunteer organization "Wakachiai Project" (the Japanese word "wakachiai" means sharing).

Supporting disaster recovery

When an extensive natural disaster occurs, EBARA collects donations from employees and supports recovery from the disaster through organizations such as the Japan Red Cross Society.

Communication with local community



Factory tour

Communication with people in the local area

EBARA, supporting school education aid activities planned by Hatakeyama Foundation, accepts children of primary schools for factory tours. The tour lets them know the relation between EBARA's products and their lives.

Cleaning and greening of local areas

Offices of the EBARA Group all over Japan conduct cleaning and greening of areas around the offices on the "World Environment Day" and "Environment Month."

Employees' activities

The EBARA Group holds many club activities, sports days and recreational meetings such as marathons and tennis days to help promote friendship among employees.



EBARA Snow Festival

*See the latest issue of the CSR Report for details.