

# Introduction to Industrial Products from Shimane Prefecture in Japan

Shimane Prefectural Government Website



<https://www.pref.shimane.lg.jp/industry/enterprise/shien/kaigai/products/>

September 2021



**Shimane Prefectural Government  
Shimane Industrial Promotion Foundation**

This site introduces industrial products from Shimane Prefecture in Japan.

This site is operated by Shimane Prefecture and the Shimane Industrial Promotion Foundation in order to domestically and globally promote the industrial products of companies based in Shimane Prefecture.

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## Products featured

- This website introduces industrial products manufactured at business sites in Shimane Prefecture (excluding food and beverage products), and package software programs of proprietary development, for which an application was made to the public invitation by Shimane Prefecture.
- The information described is that available at the time of the application.
- The information described on this site is planned to be updated periodically approximately once a year.

## Introducing Shimane Prefecture

Shimane Prefecture is located in the western part of Japan and faces the Sea of Japan. It is approximately an hour by plane from Tokyo.

Shimane Prefecture is called the “home of the Gods” and “land of relationships.” It is a region which retains beautiful nature and long years of history and tradition.

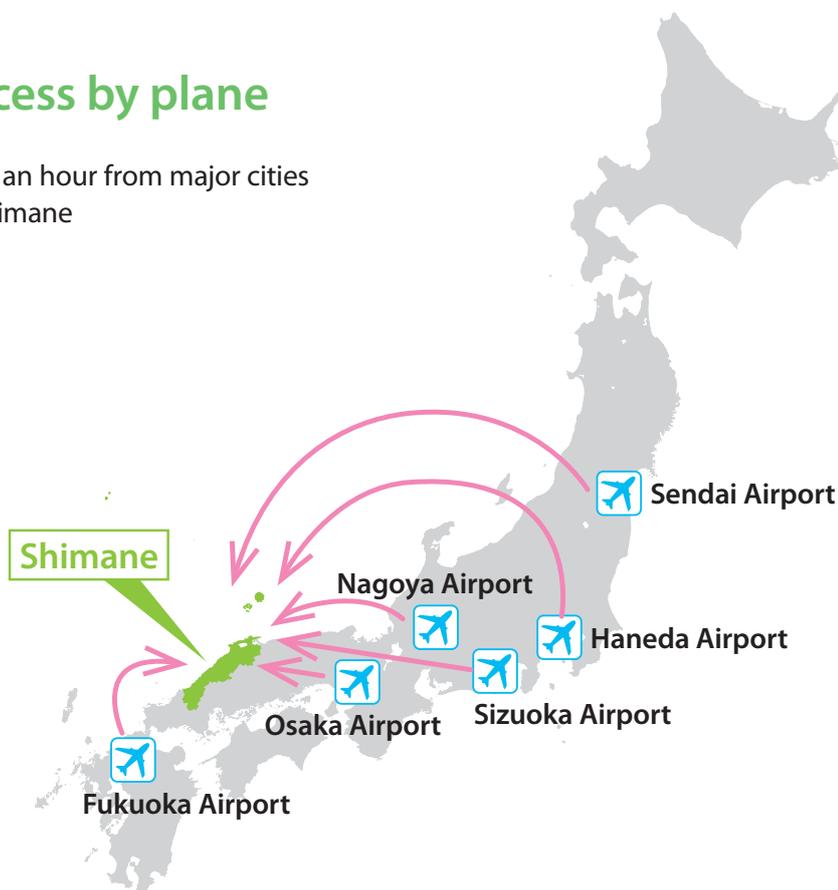
The prefecture is one of the most prominent tourist resorts in Japan, being home to “Izumo Taisha Shrine” which is the most famous shrine in Japan, “Iwami Silver Mine” which is a world heritage site, and the Oki Islands which are one Global Geopark where magnificent nature remains.

Population	: Approx. 700,000
Area	: 6,700 square kilometers
Prefectural GDP	: 2.4 trillion yen



### Access by plane

It takes about an hour from major cities in Japan to Shimane



## Industries in Shimane Prefecture

In Shimane Prefecture, manufacturing industries such as metal processing, resin processing, electric and electronic industries are concentrated.

Shimane Prefecture is the base for the development, production and processing of the world-famous special steel brand “Yasuki Specialty Steel (YSS).” Special steel refers to an alloy steel with excellent hardness, strength, etc., which is manufactured by adding various elements other than carbon to iron. They are used in important parts that affect the product performance and safety as well as dies, etc.

The foundry industry is also thriving. Shimane Prefecture boasts one of the largest production quantities in Japan and is home to a large number of foundry companies with high technological levels.

IT is also developing as a new industry. A programming language called “Ruby” was created in Shimane Prefecture. Industry, government and academia are working together to promote the creation and development of technologies such as Ruby and ICT technology.

Shimane also produces many traditional industrial products such as clay tiles, wood products and paper products. A roof tile called “Sekisyu Kawara tile” was invented approximately 400 years ago, and it now comprises a local industry of Shimane Prefecture with the 2nd largest production volume in Japan.

## Contact Information

- Please contact the following if you have any questions or opinions about the management of this site.  
Department of Commerce, Industry and Labor, Shimane Prefectural Government  
**TEL** +81-852-22-5303 **FAX** +81-852-22-6750 **E-mail** [product-information@pref.shimane.lg.jp](mailto:product-information@pref.shimane.lg.jp)
- If you have any questions regarding the featured products, please contact the manufacturer directly or the Shimane Prefectural Government **E-mail** [product-information@pref.shimane.lg.jp](mailto:product-information@pref.shimane.lg.jp).

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## “Medical, welfare, nursing care, and health”-related products from Shimane Prefecture

This section introduces “medical, welfare, nursing care, and health” products manufactured in Shimane Prefecture in Japan.

These are products used in hospitals, clinics, welfare facilities, and nursing care facilities, and other health products and health care products.

If you have any questions about a product, please contact the manufacturer directly or the Shimane Prefectural Government **E-mail** [product-information@pref.shimane.lg.jp](mailto:product-information@pref.shimane.lg.jp).

Automatic Excretion Treatment Apparatus “Liberty Himawari”	Liberty Solution Co., Ltd.
Hands-free LED light (LUMINURSE)	Do Light Co.,Ltd
Suisui Cart KW130	KISHI ENGINEERING Co.,Ltd
Comfortable Rehabilitation Walker Sabaru KW300	KISHI ENGINEERING Co.,Ltd

## Automatic Excretion Treatment Apparatus “Liberty Himawari”

This apparatus maintains sanitation for the care receiver with automatic suction of excreta, cleansing and drying.



It reduces the burden of caregivers and protects the dignity of the care receivers.

Since it does not use diapers, it can prevent infections that are likely to occur in the pubic region and buttocks.

### “Three technologies”

#### ① Excretion Sensor System

The built-in sensors in the cup unit detect urination and defecation, then automatically start suction, cleansing and drying.

#### ② Special Silicone

The cup unit, which comes in direct contact with the skin, uses a “special silicone” that excels in adhesiveness, water repellency and safety. This material used for artificial breasts is harmless to the human body even with extended usage and there is no need to worry about urine or water leakage.

#### ③ Excretion Tank/Separator

Stabilized suction power during high-speed rotation completely separates air from solid and liquid waste. It is easy to clean, with no difficult operations.

### Liberty Solution Co., Ltd.

1-2-7 Nishiyomeshima, Matsue, Shimane

**TEL** +81-852-61-3999 **FAX** +81-852-61-2399 **URL** <http://www.liberty-so.com>

## Hands-free LED light (LUMINURSE)

A light which allows the use of both hands during treatment nurses and nursing care providers conduct in the dark



This product was developed in industry-government-academia collaboration along with the Shimane University Faculty of Medicine and Shimane Fujitsu Limited, based on the opinions of nurses who wished to use both hands for treatments during night time.

This light can be turned on without using one's hands, and allows the user to choose either a softly spreading light that does not cause stress to the person being treated or cared for or a light that illuminates only the treatment spot. It is a product which gives a sense of security to the patients and care receivers, and which allows the nurses and care providers to provide treatment safely with both hands.

### Do Light Co.,Ltd

1147 Shiroedacho, Izumo, Shimane

TEL +81-853-24-8380 FAX +81-853-24-8381 URL <http://dolight.jp/>

## Suisui Cart KW130

For people who have difficulty in walking



This is a foldable forearm support type walker.

With an elbow rest, it allows the user to walk comfortably for a long period by reducing the burden on the legs and back. As there is a space where a shopping basket for shopping centers can be placed, it allows the user to maintain physical strength and train for rehabilitation while enjoying shopping and so forth. It can be used in convenient ways, including walking while carrying heavy books in it in a library.

The height of the forearm support can be adjusted in 5 steps with 5 cm increments, and it is safe to use with a one-touch brake.

### **KISHI ENGINEERING Co.,Ltd**

893-5 Satokatacho, Izumo, Shimane

**TEL** +81-853-23-6383 **FAX** +81-853-23-7367 **URL** <https://kishieng.jp/en/>

## Comfortable Rehabilitation Walker Sabaru KW300

This walker was developed jointly with the Izumoshimin Rehabilitation Hospital.



It is a multifunctional rehabilitation walker for hospitals.

The brake is applied by pushing the handle toward oneself, and it functions as a support bar for standing up. The brake is released by pushing the handle toward the front, and it can be used as a grip bar for walking.

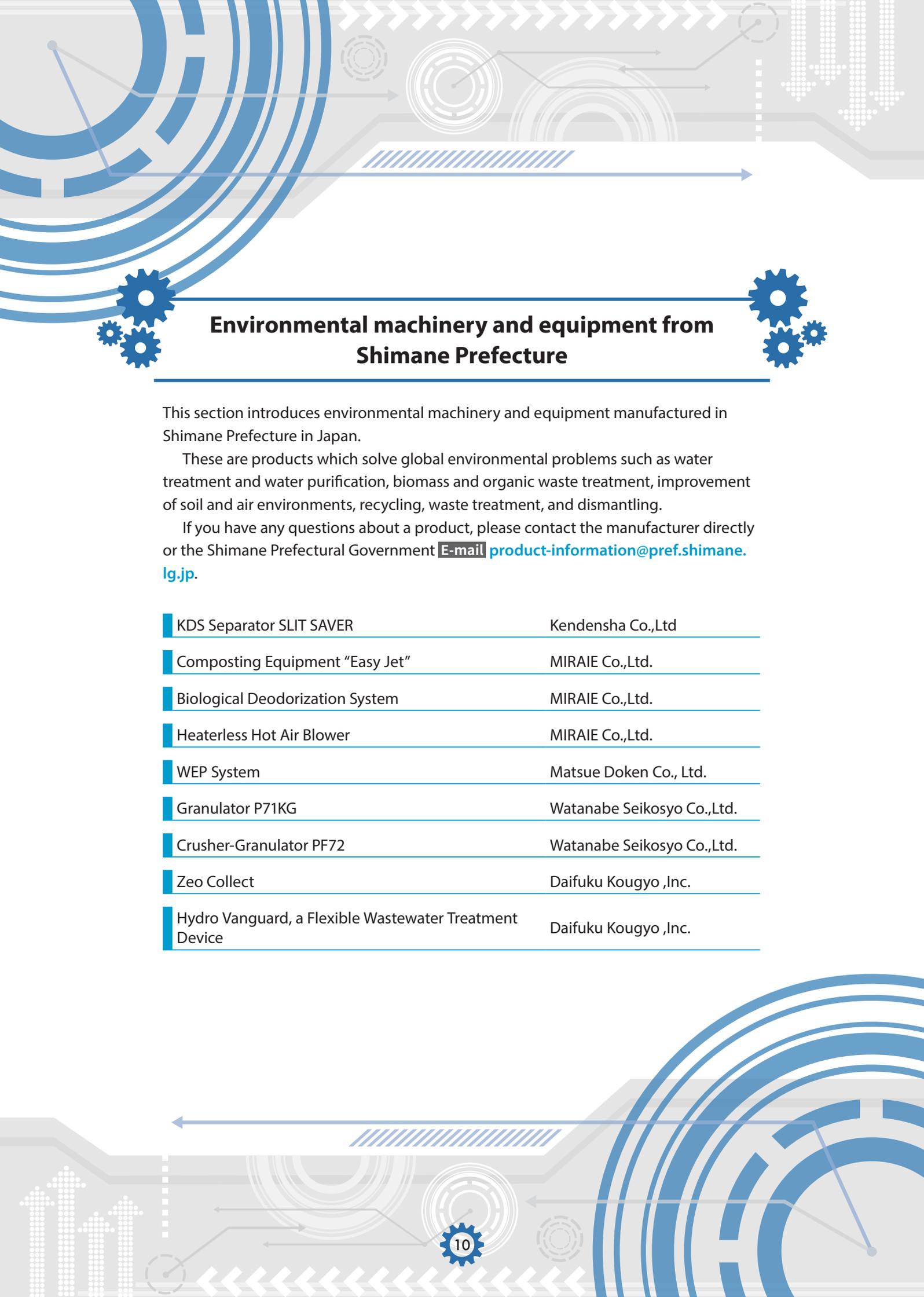
The height of the forearm support can be adjusted in 10 steps with 2.5 cm increments.

It is possible to attach an oxygen tank mount, drip infusion rod and accessory box with hooks as options.

### **KISHI ENGINEERING Co.,Ltd**

893-5 Satokatacho, Izumo, Shimane

**TEL** +81-853-23-6383 **FAX** +81-853-23-7367 **URL** <https://kishieng.jp/en/>



## Environmental machinery and equipment from Shimane Prefecture

This section introduces environmental machinery and equipment manufactured in Shimane Prefecture in Japan.

These are products which solve global environmental problems such as water treatment and water purification, biomass and organic waste treatment, improvement of soil and air environments, recycling, waste treatment, and dismantling.

If you have any questions about a product, please contact the manufacturer directly or the Shimane Prefectural Government **E-mail** [product-information@pref.shimane.lg.jp](mailto:product-information@pref.shimane.lg.jp).

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Zeo Collect	Daifuku Kougyo ,Inc.
Hydro Vanguard, a Flexible Wastewater Treatment Device	Daifuku Kougyo ,Inc.

## KDS Separator SLIT SAVER

Clog-free solid-liquid separation equipment



This product executes solid-liquid separation by running a mixture of solid and liquid over a group of continuously arranged oval plates. It also has a mechanism to convey solid contents and prevent clogging as the oval plates rotate between numerous slits. It can also be used as a dehydrator by attaching a simple press plate. Compared to other dehydrators, it is superior in maintainability and lower in product price. Its domestic sales record is approximately 800 units, and overseas approximately 50 units. We have records of application for all types of wastewater.

### Head Office in Japan

#### **Kendensha Co.,Ltd**

1372-15 Nagahamacho, Izumo, Shimane

**TEL** +81-853-28-1818 **FAX** +81-853-28-2858 **URL** <http://www.kendensha.co.jp/>

### Subsidiary in Thailand

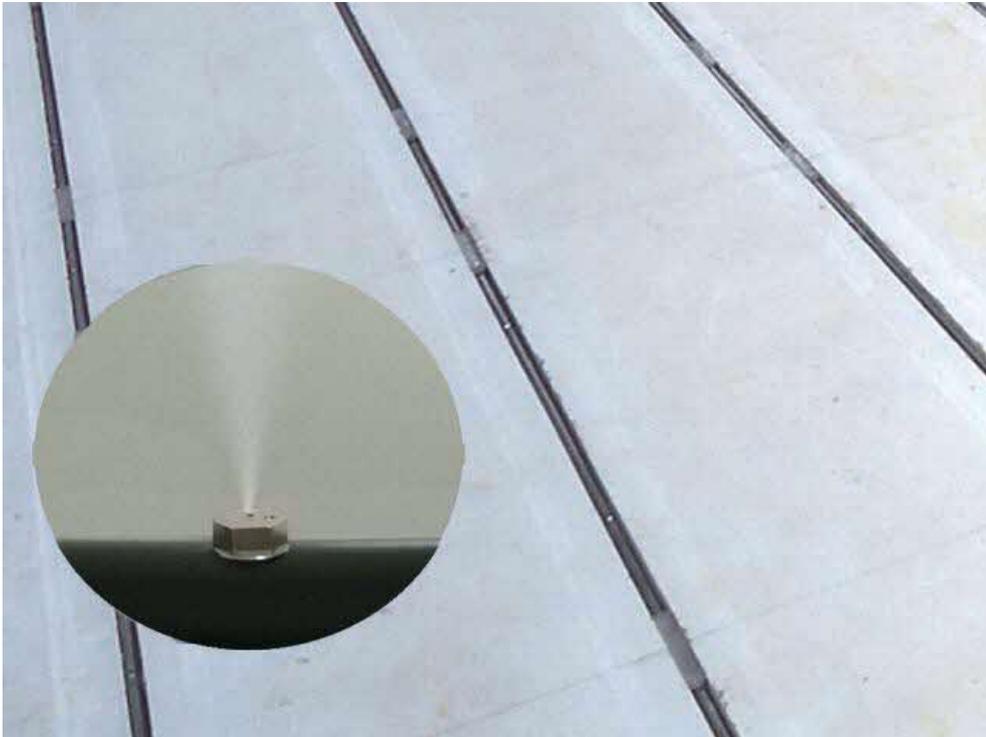
#### **C.C.KENDENSHA Co.,Ltd**

29Moo8 Saladaeng 11Rd.,Saladaeng Bangnampreow Chachoengsao 24000 Thailand

**TEL** +66-2-988-2334 **FAX** +66-2-988-2337

## Composting Equipment “Easy Jet”

Clogging prevented with a special nozzle, and no turning necessary  
with high-pressure air 50 times stronger than a blower



By sending air from a special nozzle at 50 times the pressure of a conventional blower, it raises the fermentation temperature quickly and reduces the processing period dramatically. It can be installed in existing facilities to help reduce turning work as well as foul odors.

It supplies the enzymes necessary for fermentation evenly without uneven ventilation or clogging, and improves the compost quality.

We have business with customers in various industries such as waste disposal companies, government agencies, livestock and agricultural corporations. We hope to continue to support our customers in Japan and overseas with our unique development capabilities and proposals, taking advantage of our past delivery experience and results.

### **MIRAIE Co.,Ltd.**

250-167 Yadacho, Matsue, Shimane

**TEL** +81-852-28-0001 **FAX** +81-852-31-3981 **URL** <https://miraie-corp.com/>

## Biological Deodorization System

A new deodorization system which utilizes porous glass foam as the base deodorization material



It delivers the highest level of deodorization performance as a system adopting a biological deodorization method, and suffers almost no performance deterioration.

- It suppresses the construction cost since the installation area for the deodorization facility is small, and water expenses are also minimized thanks to the circulating water system.
- A low-pressure blower can be used to blow air and cut electricity expenses by 20 to 50%.
- The difference in maintenance costs is addressed as it needs no replacement semi-permanently once it is installed.

We have business with customers in various industries such as waste disposal companies, government agencies, livestock and agricultural corporations. We hope to continue to support our customers in Japan and overseas with our unique development capabilities and proposals, taking advantage of our past delivery experience and results.

### **MIRAIE Co.,Ltd.**

250-167 Yadacho, Matsue, Shimane

**TEL** +81-852-28-0001 **FAX** +81-852-31-3981 **URL** <https://miraie-corp.com/>

## Heaterless Hot Air Blower

A new type of hot air blower that generates hot air using frictional heat, helping solve issues related to composting during the winter.



- No heater is used, meaning hot air can be generated without affecting the electricity bill.
- Suited to a wide variety of situations, including heating raw compost materials and drying compost.
- High pressure air flow of 40 kPa (maximum static pressure). Capable of drying even viscous raw materials.
- Features casters and is easily transported.
- Hot air is generated in tens of seconds after startup.
- Can also be connected to a blower.

We have customers in various industries, such as waste treatment companies, government offices, businesses in the livestock industry, and agricultural corporations. Our aim is to continue to support our customers in Japan and overseas by utilizing our unique development capabilities and proposing optimal solutions, building on our past experience and delivered results.

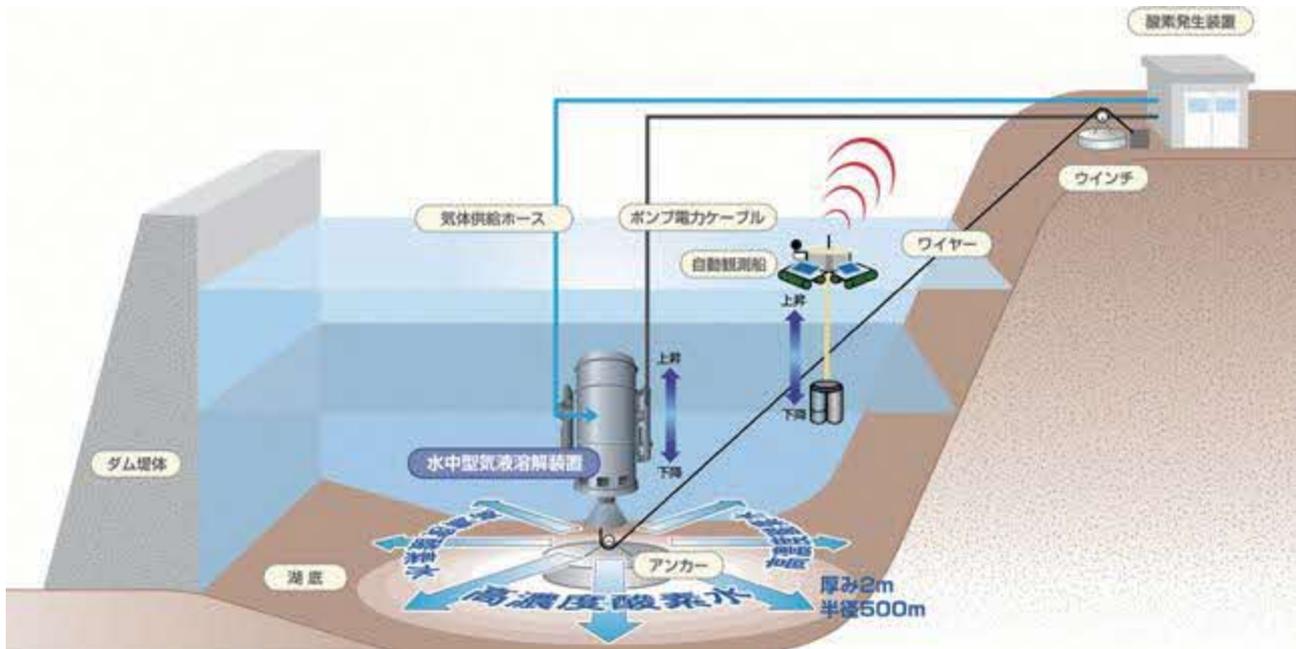
### **MIRAIE Co.,Ltd.**

250-167 Yadacho, Matsue, Shimane

**TEL** +81-852-28-0001 **FAX** +81-852-31-3981 **URL** <https://miraie-corp.com/>

## WEP System

A water environment preservation system  
which efficiently supplies a high concentration of oxygen to oxygen-poor water



The WEP System is a system designed to solve water quality problems caused by poor oxygen, in which the oxygen level in the water of dams and lakes becomes extremely low.

The WEP System consists of an underwater apparatus and a land device. The land device concentrates oxygen from the atmosphere to produce oxygen gas with high purity. The oxygen gas produced is supplied to the underwater liquid-gas dissolving apparatus, and forms highly concentrated oxygen water as the oxygen dissolves into the poor-oxygen water.

The WEP System has been adopted mainly in dams in Japan. We have begun expansion of our business overseas in recent years, with plans to expand into China, India and other countries. We are working on the popularization of the WEP System in order to preserve water environments around the world.

### Matsue Doken Co., Ltd.

2-3-5 Gakuenminami, Matsue, Shimane

TEL +81-852-24-5478 FAX +81-852-20-0487 URL <https://www.matsue-doken.co.jp/>

## Granulator P71KG

Large, low-speed granulator equipped with the largest motor in the industry



Plastic waste has become a global problem. Regulations on plastic waste treatment are expected to be tightened both in Japan and overseas in the future.

P71KG is a large granulator designed with consideration of workability, safety and cleanliness required when recycling plastics in a molding plant.

- A low-speed granulator equipped with a 5.5 kW motor, the largest in the industry.
- The cleaning period is reduced by adopting a casing structure which is divided into three sections.
- Although it is designed for sprue runner processing, it is also possible to granulate products depending on the shape and injected amount.
- While it is a large machine, it does not generate miscuts, which are most characteristic of low-speed granulators, and supplies granulated particles with low powder generation.

### Watanabe Seikosyo Co.,Ltd.

231-22 Kisukichoyamagata, Unnan, Shimane

TEL +81-854-42-3390 FAX +81-854-42-1232 URL <http://www.w-seiko.co.jp/>

## Crusher-Granulator PF72

Combines the functions of a crusher and a granulator into 1 unit



Plastic waste has become a global problem. Regulations on plastic waste treatment are expected to be tightened both in Japan and overseas in the future.

The PF72 conducts processes from crushing to granulation of large waste products generated in a molding plant in 1 unit, and helps make effective use of resources.

- It securely crushes using a crushing rotor with a wide pocket. The cutting process prior to injection is not necessary even for long articles.
- Low speed rotation reduces the impact noise during crushing.
- A compact machine size of W1,110 \* D1,194 \* H1,702 mm having a large granulation chamber of 642 \* 558 mm. The injection height is 1,382 mm, which has been designed taking into consideration the usability.
- Energy-saving design with a motor capacity of 5.5 kW.
- Ideal for granulation of automobile interior parts and household electrical appliance parts.

### Watanabe Seikosyo Co.,Ltd.

231-22 Kisukichoyamagata, Unnan, Shimane

TEL +81-854-42-3390 FAX +81-854-42-1232 URL <http://www.w-seiko.co.jp/>

## Zeo Collect

A device to collect and concentrate CO<sub>2</sub> from the atmosphere using natural zeolite produced in Shimane Prefecture



“Environment-friendly application of CO<sub>2</sub> in next-generation agriculture”

This device can collect CO<sub>2</sub> from a concentration at 400 ppm in the atmosphere and concentrate it to 4,000 ppm or higher (10,000 ppm at maximum).

- 1 Continuous production of high-concentration CO<sub>2</sub> gas
- 2 Reduction in running costs by only requiring electricity costs
- 3 Leads to the promotion of photosynthesis, improved growth and quality of crops
- 4 Can be applied throughout the year with piping established at the base of the plant (leaf base)
- 5 No use of heat sources including fossil fuels
- 6 Contributes to the prevention of global warming by using only CO<sub>2</sub> from the atmosphere

### Daifuku Kougyo, Inc.

2-7 Edaotsucho, Izumo, Shimane

**TEL** +81-853-21-4151 **FAX** +81-853-21-4152 **URL** <http://www.daifuku-izumo.co.jp/>

## Hydro Vanguard, a Flexible Wastewater Treatment Device

A wastewater treatment device that can be assembled and disassembled, making it easy to move and install.

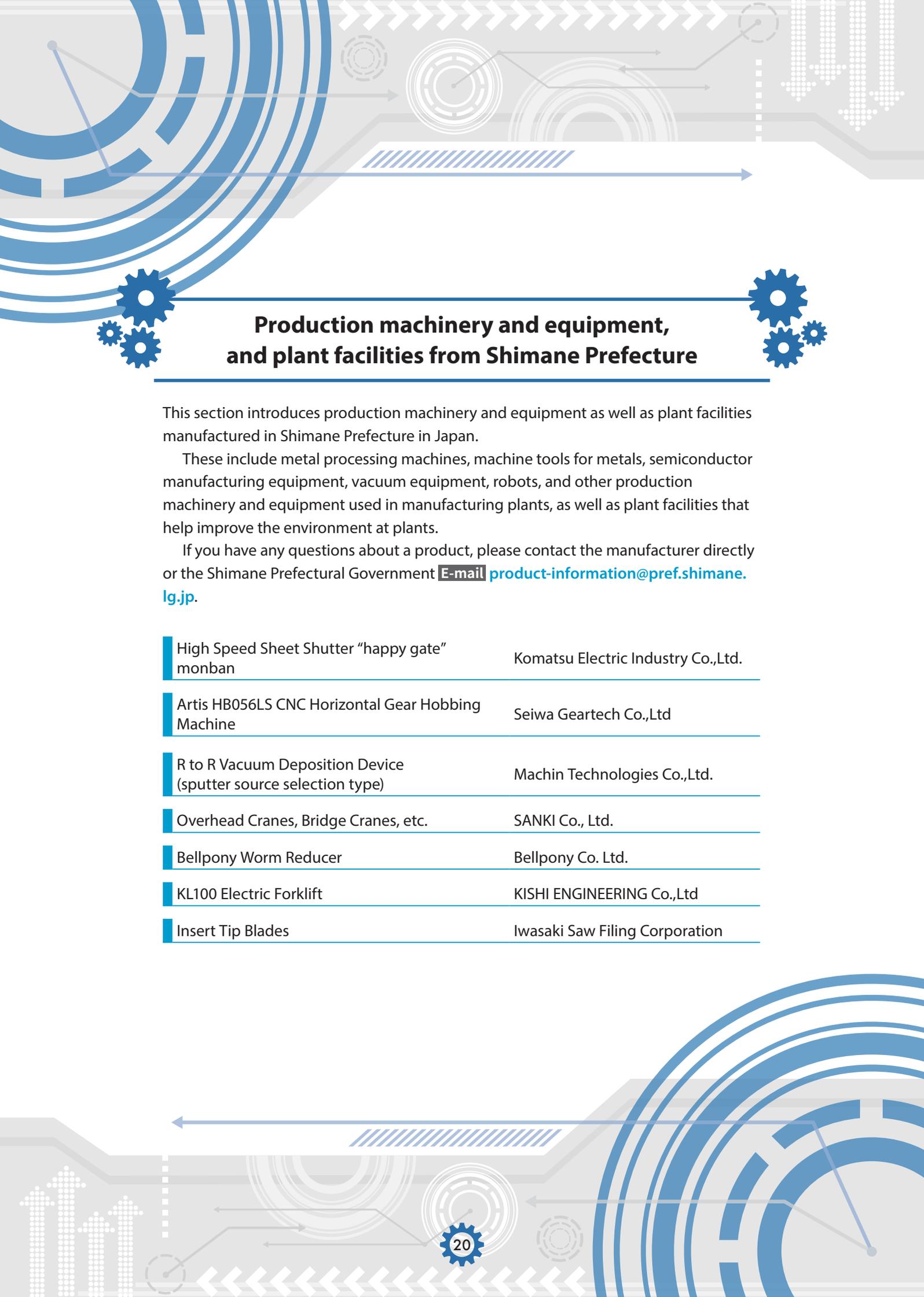


This is a flexible wastewater treatment device that can be assembled and disassembled. It can be stored compactly and transported using a kei car. Unlike conventional models made with steel, this device can be transported anytime and anywhere and can be assembled on-site in about 20 minutes. The water treatment capacity is 2 m<sup>3</sup>/h. When used in combination with zeolite produced in Shimane Prefecture and environmental restoration materials manufactured by our company, the device can purify groundwater mixed with hazardous substances. It is suited for places where short-term wastewater treatment is required, such as wastewater treatment after cleaning tires at construction sites and wastewater treatment in emergencies.

### Daifuku Kogyo, Inc.

2-7 Edaotsucho, Izumo, Shimane

**TEL** +81-853-21-4151 **FAX** +81-853-21-4152 **URL** <http://www.daifuku-izumo.co.jp/>



## Production machinery and equipment, and plant facilities from Shimane Prefecture

This section introduces production machinery and equipment as well as plant facilities manufactured in Shimane Prefecture in Japan.

These include metal processing machines, machine tools for metals, semiconductor manufacturing equipment, vacuum equipment, robots, and other production machinery and equipment used in manufacturing plants, as well as plant facilities that help improve the environment at plants.

If you have any questions about a product, please contact the manufacturer directly or the Shimane Prefectural Government [E-mail product-information@pref.shimane.lg.jp](mailto:product-information@pref.shimane.lg.jp).

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KL100 Electric Forklift	KISHI ENGINEERING Co.,Ltd
Insert Tip Blades	Iwasaki Saw Filing Corporation

## High Speed Sheet Shutter “happy gate” monban

It contributes to the creation of spatial value in plants.



Thanks to its high airtightness and high speed opening and closing, the high speed sheet shutter “happy gate monban” dramatically improves insect repellence, dustproofing and cold protection as it is installed at plant entrances and partitions. Effective in improving quality and workplace environment. It promotes CO<sub>2</sub> reduction through energy saving.

Since its launch in Japan in 1985, the cumulative shipment quantity has exceeded 175,000 units. It contributes to environmental improvement, sanitation management, and energy conservation at plants not only in Japan but also in Southeast Asia.

In addition to the wind-resistant pipe types and the highly airtight pipeless types, we also offer a line-up of independent types that are easy to install or move, refrigeration types, and explosion-proof types.

We have an organization for installation and maintenance in Southeast Asia to help our customers use the products securely.

### Head Office in Japan

#### **Komatsu Electric Industry Co.,Ltd.**

735-188 Nogifukutomicho, Matsue, Shimane

**TEL** +81-50-3161-2490 **FAX** +81-50-3161-3846 **URL** <https://www.komatsuelec.co.jp/index.html>

### Subsidiary in Thailand

#### **KOMATSU ELECTRIC INDUSTRY CO.,LTD.**

388 Exchange Tower, 29th Floor, Unit 2901-2904, Sukhumvit Road, Klongtoey sub-district,  
Klongtoey District, Bangkok

**TEL** +66-2-104-9161 **FAX** +66-2-104-9101 **URL** <http://www.komatsuelec.co.th>

## Artis HB056LS CNC Horizontal Gear Hobbing Machine

A new horizontal gear hobbing machine with integrated high performance part loading/unloading system.



### Features

Closed loop structure enables cutting with low vibration, low thermal variation, and ultra-high rigidity. Designed for dry machining with standard equipment of a slant type hob head and bed top SUS cover. Integrated high performance part loading/unloading system.

### Main specifications

Maximum outer diameter of the work part	: 50 mm
Maximum length of the work part	: 300 mm
Maximum module of the work part	: m2.5
Maximum revolution speed of the hob spindle	: 6000 min <sup>-1</sup>
Maximum revolution speed of the work spindle	: 1000 min <sup>-1</sup>
Hob head swivel angle	: ± 45°
Maximum hob diameter × length	: 80 × 130 (mm)

### Seiwa Geartech Co.,Ltd

2139-5, Kaminaoe, Hikawacho, Izumo, Shimane

**TEL** +81-853-72-0306 **FAX** +81-853-72-0343 **URL** <http://segtec.jp/>

## R to R Vacuum Deposition Device (sputter source selection type)

This is a roll-to-roll vacuum deposition device.  
The evaporation source, roll arrangement and the like can be customized  
according to the customer's application.



This vacuum deposition device makes it possible to manufacture film capacitor electrodes, lithium battery electrodes and the like by roll to roll. The evaporation sources that can be mounted are resistance heating crucibles, radiant heating crucibles, and E/B sources. A plasma source is also available to improve adhesion between the base material and the deposition layer. It is also capable of handling double-sided deposition.

While the base material widths for the standard device are 200 mm, 250 mm, 350 mm, and 400 mm, we can custom-design products to match the customer's base material width and raw material diameter.

Since a monomer evaporation source can also be selected as the sputter source, it can be used for various different applications.

### Machine Technologies Co., Ltd.

52-3 Hokuryocho, Matsue, Shimane

TEL +81-852-22-7891 FAX +81-852-28-9136 URL <http://www.m-technologies.co.jp/>

## Overhead Cranes, Bridge Cranes, etc.

We pursue technology and quality which we can be responsible for through ingenuity addressed by the participation of all employees.



For 55 years since its foundation in 1962, our company has delivered products to various locations in Japan with the main focus on the design and manufacture of overhead cranes for transfer equipment, and these products have made significant contributions to society. The general-purpose cranes of 30 T or smaller in particular are widely utilized in every type of work and are contributing to field work and production activities on a daily basis. Special cranes have a lifting capacity of 200 T and have a considerable track record of carrying heavy loads at large plants of steel manufacturers, etc. Cranes and other equipment designed and manufactured here are shipped to Kyushu and Tohoku regions over a period of several days and have been very positively evaluated by various companies. Recently, the use of automated cranes and the like which save labor is increasing. We expect that advanced and convenient cranes will become the mainstream in the future, and that it will be possible to commercialize these cranes using the know-how we have accumulated over many years and make them active players in the industry.

### **SANKI Co., Ltd.**

250-33 Yadacho, Matsue, Shimane

**TEL** +81-852-21-3047 **FAX** +81-852-31-5133 **URL** <http://crane-sanki.jp/>

## Bellpony Worm Reducer

The worm reducer is more compact and has a higher reduction ratio than other reducers.



Bellpony Worm Reducer is very compact.

The reduction ratio it delivers is unimaginably large for its small size.

The worm and wheel provide very smooth teeth engagement thanks to the sliding friction, and are very quiet.

The simple structure makes it inexpensive while having few failures with easy maintenance.

### **Bellpony Co. Ltd.**

(Head Office Factory) 130 Hirosechoshimoyamasa, Yasugi, Shimane

(Sales Division) 4-17-23 Kitahorie, Nishi-ku, Osaka

**TEL** +81-6-6532-1226 **FAX** +81-6-6532-1229 **URL** <http://www.bellpony.com>

## KL100 Electric Forklift

A small electric forklift for indoor use (that can be moved manually).



The KL100 features a design well-suited for indoor use.

At just 550 mm wide, this small model is designed to work even in confined spaces.

Lifting and lowering is as easy as pressing a switch, and it stops when the operator releases their finger.

Charging with a household 100 V power supply is possible, and this forklift can work continuously for about four hours when fully charged.

The forklift has a load capacity up to 150 kg and a lift height of 80 to 1500 mm.

### KISHI ENGINEERING Co.,Ltd

893-5 Satokatacho, Izumo, Shimane

**TEL** +81-853-23-6383 **FAX** +81-853-23-7367 **URL** <https://kishieng.jp/en/>

## Insert Tip Blades

Replacement blades for sawmilling, woodworking  
and wood material cutting band saws with replaceable blade edges.



From methods of heating to weld the blade edges of band saws used for sawing and woodworking and fixing them through brazing, we have succeeded in developing the world's first insert tip blades that can replace blade edges.

The in-house development of our own Metal Injection Molding (MIM) technology has allowed us to create an integrated production system, from tip blade design to mold manufacturing, our unique compounding of metal powder, injection molding, and sintering. This has enabled us to develop saw blades with materials and designs that are optimized for specific work materials and conditions.

We develop and manufacture tip-inserted band saws suitable for difficult-to-cut materials such as CLT and LVL by forming saw tooth with shapes that could not be created by conventional grinding.

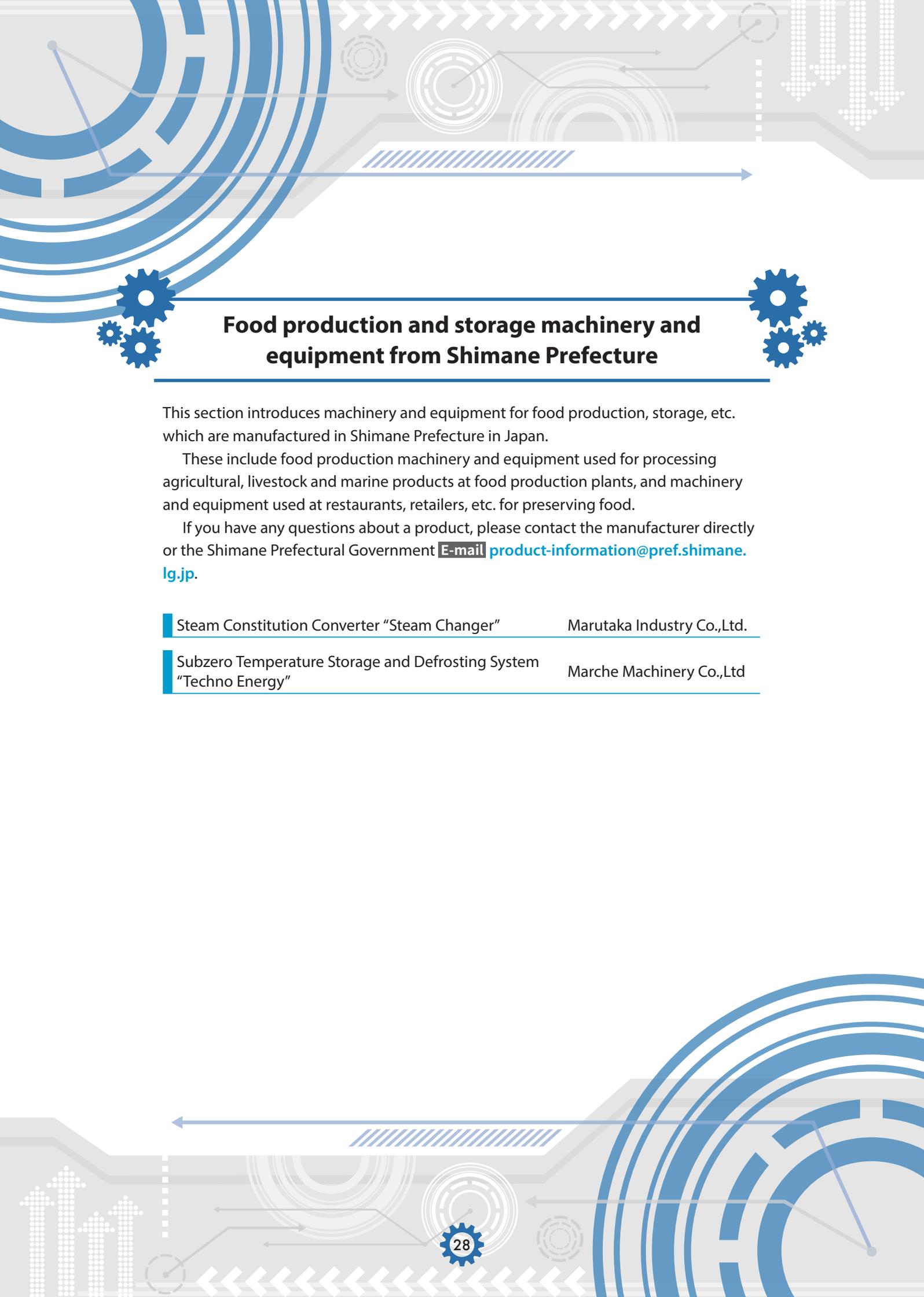
We also develop and produce special chip blades for laminated corrugated cardboard and chip blades for heat insulating foam materials in response to requests from users.

Our insert tip blades have been sold to sawmills, furniture makers, and DIY enthusiasts in all 47 prefectures in Japan, as well in South America and Europe.

### Iwasaki Saw Filing Corporation

204-12 Ro, Oda, Odacho, Oda, Shimane

**TEL** +81-854-84-7246 **FAX** +81-854-84-7253 **URL** <http://metate.co.jp/>



## Food production and storage machinery and equipment from Shimane Prefecture

This section introduces machinery and equipment for food production, storage, etc. which are manufactured in Shimane Prefecture in Japan.

These include food production machinery and equipment used for processing agricultural, livestock and marine products at food production plants, and machinery and equipment used at restaurants, retailers, etc. for preserving food.

If you have any questions about a product, please contact the manufacturer directly or the Shimane Prefectural Government **E-mail** [product-information@pref.shimane.lg.jp](mailto:product-information@pref.shimane.lg.jp).

Steam Constitution Converter “Steam Changer”

Marutaka Industry Co.,Ltd.

Subzero Temperature Storage and Defrosting System  
“Techno Energy”

Marche Machinery Co.,Ltd

## Steam Constitution Converter “Steam Changer”

This equipment generates “wet steam” which contains high thermal energy. The equipment delivers an energy saving effect of 30 to 60% and has a track record of being adopted by food manufacturers and other companies throughout Japan which use steaming processes.



The “Steam Changer” generates “wet steam” which contains high thermal energy. The equipment delivers an energy saving effect of 30 to 60%, and has a track record of being adopted by companies in multiple different fields all over the country which use steaming processes, including food manufacturers.

It has also been featured in various media in recent years as its high energy efficiency came under the spotlight.

In addition, we received the Encouragement Award in “the 21st Chugoku Region New Business Awards” in June 2013, with the “heat treatment while retaining the flavor components of seafood” being very positively evaluated, and whose potential was discovered through the use of the equipment in the steaming process of processed marine products.

We are confident that this is the product which best meets the needs of consumers today, when there are demands for cost reduction at manufacturing plants and safety and security of food products.

### Marutaka Industry Co.,Ltd.

1524-1 Higashiizumochoshimoito, Matsue, Shimane

TEL +81-852-52-2150 FAX +81-852-52-5067 URL <http://www.marutaka50.com>

## Subzero Temperature Storage and Defrosting System “Techno Energy”

A revolutionary refrigerator which serves four functions of storage, defrosting, bacteriostasis, and maturing in one unit



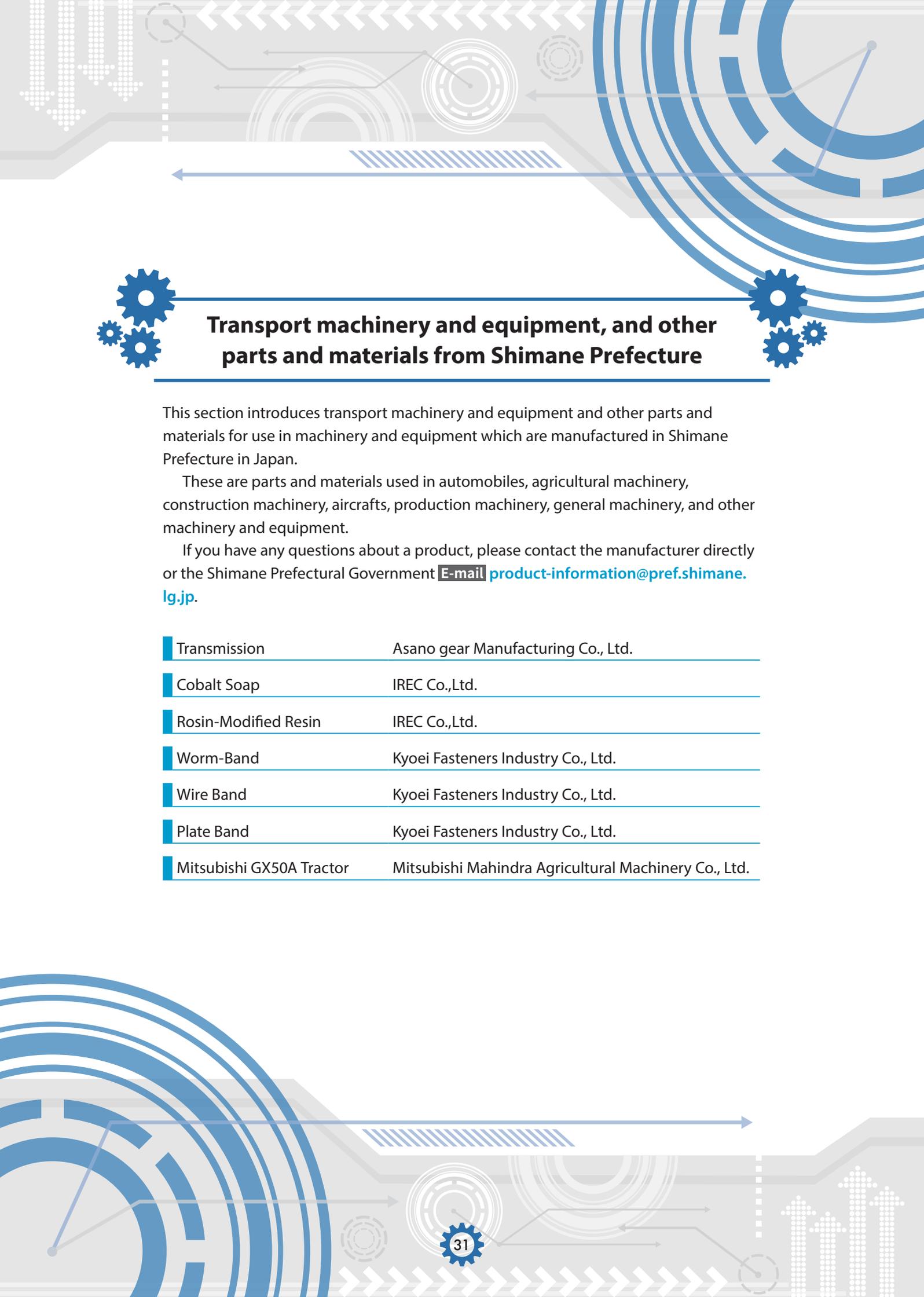
“Techno Energy” is an amazing system which can simultaneously store, defrost, address bacteriostasis and mature food materials without freezing them at negative temperatures ( $0^{\circ}\text{C}$  to  $-3^{\circ}\text{C}$ ) by converting the voltage of 500 to 1,500 V into weak energy and charging the interior, and this is its biggest feature.

It is possible to maintain the freshness for 2 to 3 times longer than a normal refrigerator and minimize the drip outflow as defrosting is done at a negative temperature. It also delivers an excellent bacteriostatic effect because it stores the materials at a temperature 5 to  $8^{\circ}\text{C}$  lower than that of a normal refrigerator, and is expected to have a maturing promotion effect with high electric potential.

### Marche Machinery Co.,Ltd

2299-4 Higashiizumochoiya, Matsue, Shimane

TEL +81-852-52-2340 FAX +81-852-52-4408 URL <http://www.marche-machinery.com/>



## Transport machinery and equipment, and other parts and materials from Shimane Prefecture

This section introduces transport machinery and equipment and other parts and materials for use in machinery and equipment which are manufactured in Shimane Prefecture in Japan.

These are parts and materials used in automobiles, agricultural machinery, construction machinery, aircrafts, production machinery, general machinery, and other machinery and equipment.

If you have any questions about a product, please contact the manufacturer directly or the Shimane Prefectural Government [E-mail product-information@pref.shimane.lg.jp](mailto:product-information@pref.shimane.lg.jp).

Transmission	Asano gear Manufacturing Co., Ltd.
Cobalt Soap	IREC Co.,Ltd.
Rosin-Modified Resin	IREC Co.,Ltd.
Worm-Band	Kyoei Fasteners Industry Co., Ltd.
Wire Band	Kyoei Fasteners Industry Co., Ltd.
Plate Band	Kyoei Fasteners Industry Co., Ltd.
Mitsubishi GX50A Tractor	Mitsubishi Mahindra Agricultural Machinery Co., Ltd.

## Transmission

We manufacture products that satisfy our customers with reliable technology.



Manufactured while using our own gears, we provide transmission products that are reliable to customers with our know-how and experience in gear technology and assembly technology accumulated over many years.

The company began exporting its products to Europe in 2018 to meet global needs. We accept orders from small lots. Please feel free to contact us.

### **Asano gear Manufacturing Co., Ltd.**

250-108 Yadacho, Matsue, Shimane

**TEL** +81-852-24-3111 **FAX** +81-852-24-3114 **URL** <http://www.asano-g.co.jp/>

## Cobalt Soap

A high-quality basic compounding agent which facilitates the adhesion between rubber and steel cord in rubber tires



- It is a basic compounding agent to facilitate adhesion between rubber and steel cord, which are constituent materials of rubber tires, and ensure the safety and security of tires.
- It has a track record of sales of over 20 years in Japan, and is known for its high quality and stability.
- We are one of the only two companies in Japan that manufacture cobalt soap for tires.

### IREC Co.,Ltd.

516-57 Nagahamacho, Izumo, Shimane

**TEL** +81-853-28-3110 **FAX** +81-853-28-3110 **URL** <http://fish.miracle.ne.jp/moriyama/>

## Rosin-Modified Resin

Addresses tire quality improvement  
by adding it as a raw material in tires for trucks and buses



- It is a modifying agent in large tires for vehicles such as trucks and buses.
- It addresses improvement in quality through increase in tire strength as it delivers improvements in wear resistance and chipping resistance (fine breaks in the tire from use).
- It has a track record of sales over a long period of more than 50 years in Japan.

### IREC Co.,Ltd.

516-57 Nagahamacho, Izumo, Shimane

**TEL** +81-853-28-3110 **FAX** +81-853-28-3080 **URL** <http://fish.miracle.ne.jp/moriyama/>

## Worm-Band

High-quality clamps of our proprietary development!  
We can address various requests.



- Roll edge processing is gentle to rubber and maintains a smooth surface pressure.
- It has passed the salt spray test (JIS Z 2371).
- As it is manufactured in-house, we can handle measures to support custom-made and exclusive parts smoothly.
- The inside of the band is made smooth so that it is optimal for protection of the hose.
- The size is engraved on the band to prevent mounting errors.
- The tightening torque and tightening amount can be controlled with separate special processing.
- Tightening torque decrease due to aging deterioration can be reduced with attachment of a repulsive resin.
- Since it is manufactured in-house, we can prepare the hole for positioning for mounting a clamp.
- \* The tightening torque is 3 to 5 N·m.

## Wire Band

They are used for a wide range of hoses from those used on water faucets to the ones in automobiles.



- They are used in a wide range of fields as hose bands.
- These, for example, include water hoses and automotive parts.
- \* The tightening torque is 2 to 3 N·m.

## Plate Band

They are mainly used for automobile intake hoses.



- They are mainly used as automotive parts.
- They are used for low pressure hoses.
- The groove makes it is easy to position.
- Tightening torque decrease due to aging deterioration can be reduced with attachment of a separate plate spring of our proprietary development.
- The tightening torque and tightening amount can be controlled with a separate special processing.
- \* The tightening torque is 2 to 3 N·m.

## Mitsubishi GX50A Tractor

Your ~Long Life~ partner: Powerful, Durable and Reliable Mitsubishi Tractor



This is a high-quality tractor made in Shimane (Made in Japan).

Equipped with a large displacement 4-cylinder diesel engine manufactured by Mitsubishi Heavy Industries, the tractor is highly efficient, clean, and powerful.

It supports a wide range of work with 16 forward and reverse speeds. The adoption of a synchromesh transmission enables smooth shifting and improves work efficiency.

And by adopting a high capacity hydraulic pump, the tractor offers hydraulic lift of 1900 kgf. The PTO shifter allows for 3 speeds, making it compatible with a wide variety of implements.

The long wheelbase and ground clearance ensure sufficient space, and the straightness of the tractor makes towing work easy.

Our tractors have been sold in Taiwan and Southeast Asia, gaining high praise not only for their quality but also their performance.

### Mitsubishi Mahindra Agricultural Machinery Co., Ltd.

667-1 Iya, Higashiizumocho, Matsue, Shimane

**TEL** +81-852-52-2111 **FAX** +81-852-52-5877 **URL** <https://www.mam.co.jp/>



## LED lighting apparatuses from Shimane Prefecture



This section introduces LED lighting apparatus manufactured in Shimane Prefecture in Japan.

An LED lighting apparatus is an excellent light source with low power consumption and long life which utilizes light emitting diodes.

If you have any questions about a product, please contact the manufacturer directly or the Shimane Prefectural Government **E-mail** [product-information@pref.shimane.lg.jp](mailto:product-information@pref.shimane.lg.jp).

Shell Type LED Lamps	Toricon Co.,Ltd.
AdvanLED COB Module	S.E.I Co., Ltd.
LED Lighting Apparatus DOME Light Series	Do Light Co.,Ltd
Hands-free LED light LUMINURSE	Do Light Co.,Ltd

## Shell Type LED Lamps

We pursue new functions of shell type LED lamps.



Our company has a wealth of know-how and expertise as it has been in business for 40 years specializing in radial lead & casting mold sealed type LED lamps and light receiving parts, and we have acquired the absolute trust of many of our customers who have supported our products. We also offer individual product proposals that meet the needs of our customers. We can offer optimal products with high quality and high functionality. In addition, we respond quickly and carefully to small-lot and short-delivery orders as well as technical inquiries from customers.

First, please contact us with "I wonder if you can make something like this"!

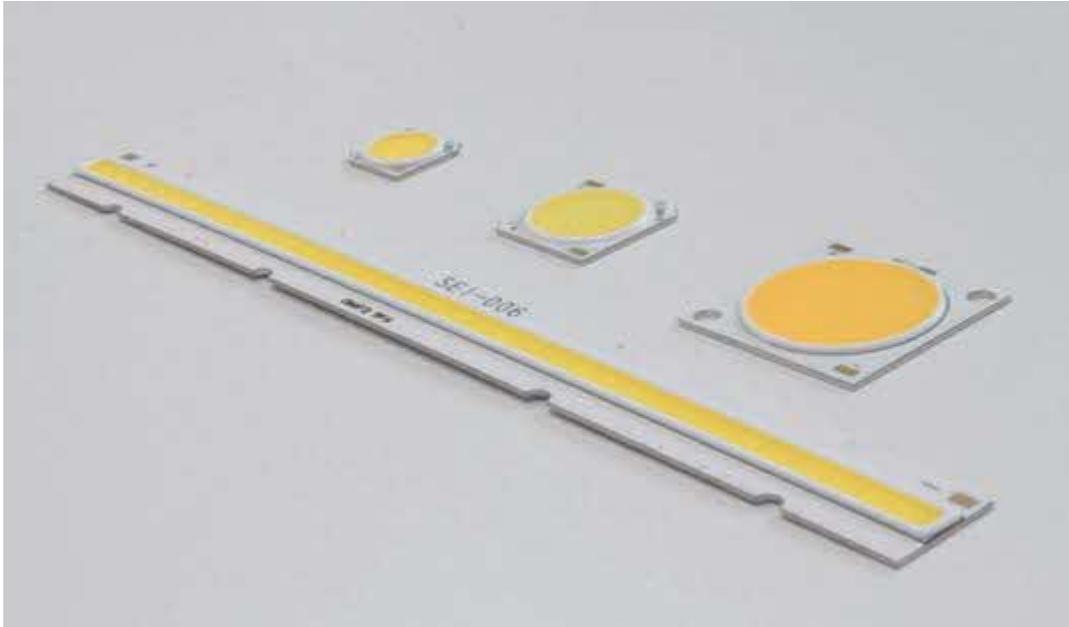
### **Toricon Co.,Ltd.**

3825-8 Nakano, Onancho, Ochigun, Shimane

**TEL** +81-855-95-2150 **FAX** +81-855-95-0120 **URL** <http://www.toricon.co.jp/>

## AdvanLED COB Module

The AdvanLED Module is an LED device which adopts the “Chip on Metal Module (COMM),” which was developed jointly between our company and Shimane Institute for Industrial Technology (patented technology).



With the adoption of “COMM,” it will improve heat radiation performance, which is the biggest enemy of LED packages, and contribute to achieving high luminous efficiency and extremely long life.

In addition, our company is capable of finely customizing the requirements for color temperature, color rendering, brightness (total luminous flux), etc. as well as fabricating serial and parallel circuits to support the power supplies of the customers.

This has become the flagship product of our company, which has been well received by many fields since its launch.

### S.E.I Co., Ltd.

281-1 Kanagichoimafuku, Hamada, Shimane

**TEL** +81-855-42-1405 **FAX** +81-855-42-0310 **URL** <http://www.s-imf.co.jp/>

## LED Lighting Apparatus DOME Light Series

Ballast-less LED lighting driven by an AC (alternating current)



Our LED lighting apparatus is resistant to special environments listed below as it is driven directly by AC (alternating current) without ballasts (converters), and the products include high ceiling lights, floodlights, and crane lights.

- ① It can be used in high temperature environments (70°C). (It is 40°C for the general apparatus.)
- ② It can be used in dusty locations. (It is designed to prevent dust from accumulating.)
- ③ Resistant to impact, it can be used as crane lamps. (LEDs are sensitive to vibrations.)

We have a track record of having our products introduced at more than 250 major companies throughout Japan, including steel manufacturers, paper manufacturers, and railway companies. We also manufacture products such as downlights, street lights, lighting devices for disaster prevention, spot lighting devices, and interior lighting for vehicles.

### Do Light Co.,Ltd

1147 Shiroedacho, Izumo, Shimane

**TEL** +81-853-24-8380 **FAX** +81-853-24-8381 **URL** <http://dolight.jp/>

## Hands-free LED light LUMINURSE

A light which allows the use of both hands during treatment nurses and nursing care providers conduct in the dark



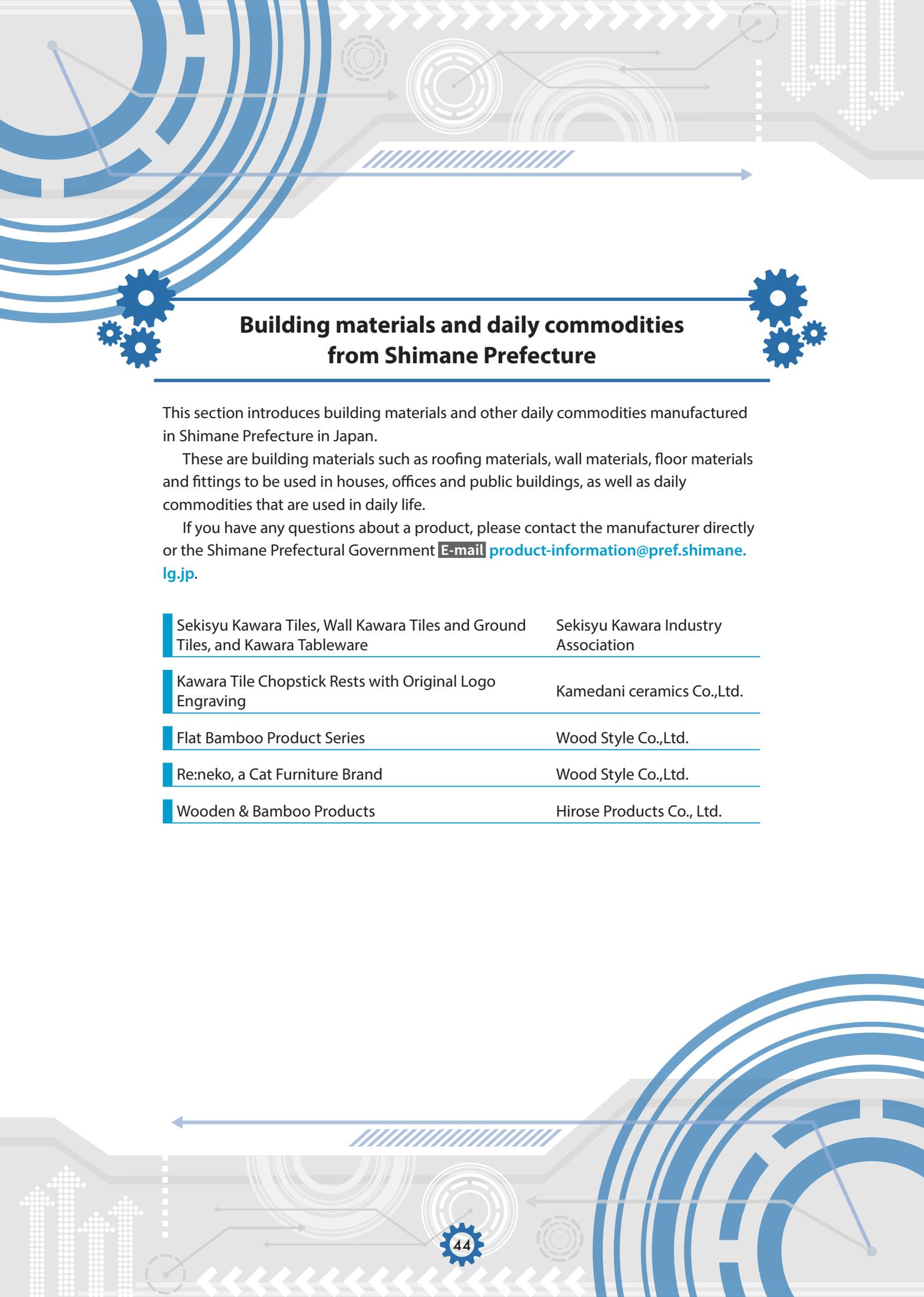
This product was developed in industry-government-academia collaboration along with the Shimane University Faculty of Medicine and Shimane Fujitsu Limited, based on the opinions of nurses who wished to use both hands for treatments during night time.

This light can be turned on without using one's hands, and allows the user to choose either a softly spreading light that does not cause stress to the person being treated or cared for or a light that illuminates only the treatment spot. It is a product which gives a sense of security to the patients and care receivers, and which allows the nurses and care providers to provide treatment safely with both hands.

### Do Light Co.,Ltd

1147 Shiroedacho, Izumo, Shimane

**TEL** +81-853-24-8380 **FAX** +81-853-24-8381 **URL** <http://dolight.jp/>



## Building materials and daily commodities from Shimane Prefecture

This section introduces building materials and other daily commodities manufactured in Shimane Prefecture in Japan.

These are building materials such as roofing materials, wall materials, floor materials and fittings to be used in houses, offices and public buildings, as well as daily commodities that are used in daily life.

If you have any questions about a product, please contact the manufacturer directly or the Shimane Prefectural Government **E-mail** [product-information@pref.shimane.lg.jp](mailto:product-information@pref.shimane.lg.jp).

Sekisyu Kawara Tiles, Wall Kawara Tiles and Ground Tiles, and Kawara Tableware

Sekisyu Kawara Industry Association

Kawara Tile Chopstick Rests with Original Logo Engraving

Kamedani ceramics Co.,Ltd.

Flat Bamboo Product Series

Wood Style Co.,Ltd.

Re:neko, a Cat Furniture Brand

Wood Style Co.,Ltd.

Wooden & Bamboo Products

Hirose Products Co., Ltd.

## Sekisyu Kawara Tiles, Wall Kawara Tiles and Ground Tiles, and Kawara Tableware



**Our products are the fruit of 400 years of wisdom and skills.**

The wisdom and skills of the craftsmen who have faced the baking temperatures of more than 1200 degrees have been scientifically proven, and Sekisyu Kawara tiles are balanced with high levels of almost all aspects of performance, including durability, heat insulation, water resistance, salt resistance, and frost resistance.

They also lead to maintenance-free, that is, high economic efficiency.

The diverse lineup of industrial products which can also be called handicrafts that radiate individuality represents the craftsmanship and creativity of the craftsmen called "Artisans."



### **Sekisyu Kawara Industry Association**

405 Kakushi, Gotsu, Shimane

**TEL** +81-855-52-5605 **FAX** +81-855-52-0766 **URL** <https://www.sekisyu-kawara.jp/en/index.html>

## Kawara Tile Chopstick Rests with Original Logo Engraving

Original chopstick rests made by a Sekisyu Kawara pottery which has been in business for 214 years. Set of 2, with a decorative box



- Chopstick rests with Sekisyu Kawara motif, a regional brand in Shimane Prefecture (In collaboration with a facility for the disabled in Shimane Prefecture. The molding is done by the welfare facility and the baking is done by a Sekisyu Kawara pottery.)
- Laser engraving of an original logo
- It comes in a decorative box made by a box maker in Shimane Prefecture (an original logo can also be printed on the box)
- Adopted as a memento of the 400 year anniversary of the establishment of Hamada Domain, as well as a memento for restaurants and corporations

### **Kamedani ceramics Co.,Ltd.**

736 Nagasawacho, Hamada, Shimane

**TEL** +81-855-22-1807 **FAX** +81-855-23-0622 **URL** <http://www.kamedani.com/>

## Flat Bamboo Product Series

Using our unique patented processing method,  
we transform bamboo into a new, utterly unique material.



Bamboo has long been used as a material for furniture and everyday articles. However, its possibilities have always been limited due to bamboo's natural shape that has limited its workability. In recent years, bamboo has been somewhat forgotten, replaced by plastic and other easy-to-form materials. Using our unique technology, we have made it possible to process flat plates of bamboo, allowing us to create products that are altogether new.

These products are garnering attention due to their uniqueness and high-quality designs.

Our chairs designed by world-famous product designer Toshiyuki Kita have attracted attention, landing on the cover of famous Italian design magazines and so on. Our bamboo products were exhibited at the Salone Internazionale Del Mobile Di Milano in Italy, one of the world's largest furniture trade fairs, in order to promote their unique characteristics.

The products lineup included tableware, lacquered boxes, and business card holders.

### Wood Style Co.,Ltd.

20-5 Fukuharacho, Matsue, Shimane

TEL +81-852-34-9777 FAX +81-852-34-0007 URL <http://wood-style.com/>

## Re:neko, a Cat Furniture Brand

Looking to support a society where people and cats can live in harmony, Re:neko creates spaces that people and cats can share more comfortably.



We design, manufacture, and sell various cat items that will make cat owners and cat lovers want them. Our company specializes in bespoke furniture. Building on this, we sell various types of cat furniture such as cat walkways, cat towers, and cat houses (Neko Chigura) produced at our own factory.

A popular product is our twenty-six-sided cat house, which also functions as a chair.

It features a stylish design to match contemporary living spaces, but also works as a hideaway perfect for cats who prefer small, dark areas.

### Wood Style Co.,Ltd.

20-5 Fukuharacho, Matsue, Shimane

**TEL** +81-852-34-9777 **FAX** +81-852-34-0007 **URL** <http://wood-style.com/>

## Wooden & Bamboo Products

Our bamboo skewers are responsible for the most sales in Japan.



Our company primarily sells the bamboo skewers used for frankfurters and corn dogs sold at convenience stores and supermarkets across Japan, bamboo skewers used for oden and yakitori, as well as ice cream sticks and spoons. In addition to the Japanese market, our products are sold around the world, with a primary focus on Southeast Asia. Skewers used for frankfurters and corn dogs are our main products. They hold a 90% market share domestically and have the highest sales in Japan within the industry. Most of our products at our factory in Yasugi are sorted using our own unique camera image processing and sorting equipment, allowing us to achieve high-quality products.

We are expanding our business overseas, developing sales channels centered on our Thai subsidiaries and associated company in the Philippines.

In 2019, we developed a bamboo straw to help solve the problem of marine pollution caused by plastic waste. Building on this, we developed a bamboo toothbrush in 2020.

Going forward, we will continue to sell products globally that are environmentally-friendly with a focus on those created using bamboo.

### Head Office in Japan

#### **Hirose Products Co., Ltd.**

356-3 Shimoyamasa, Hirosecho, Yasugi, Shimane

**TEL** +81-854-32-2648 **FAX** +81-854-32-2064 **URL** <https://hirose-products.jp/>

### Subsidiary in Thailand

#### **HIROSE PRODUCTS (THAILAND) CO., LTD. / EVERGREEN THAI CO., LTD.**

2 JASMINE Bldg., 22nd Floor, Room C, Soi Prasarnmitr (Sukhumvit 23), Sukhumvit Road,  
North Klongtoey, Wattana, Bangkok, Thailand

**TEL** +662-612-7363



## IT software package from Shimane Prefecture

This section introduces the IT software package developed in Shimane Prefecture, Japan.

If you have any questions about a product, please contact the manufacturer directly or the Shimane Prefectural Government **E-mail** [product-information@pref.shimane.lg.jp](mailto:product-information@pref.shimane.lg.jp).

Lafcardio Signature Authentication

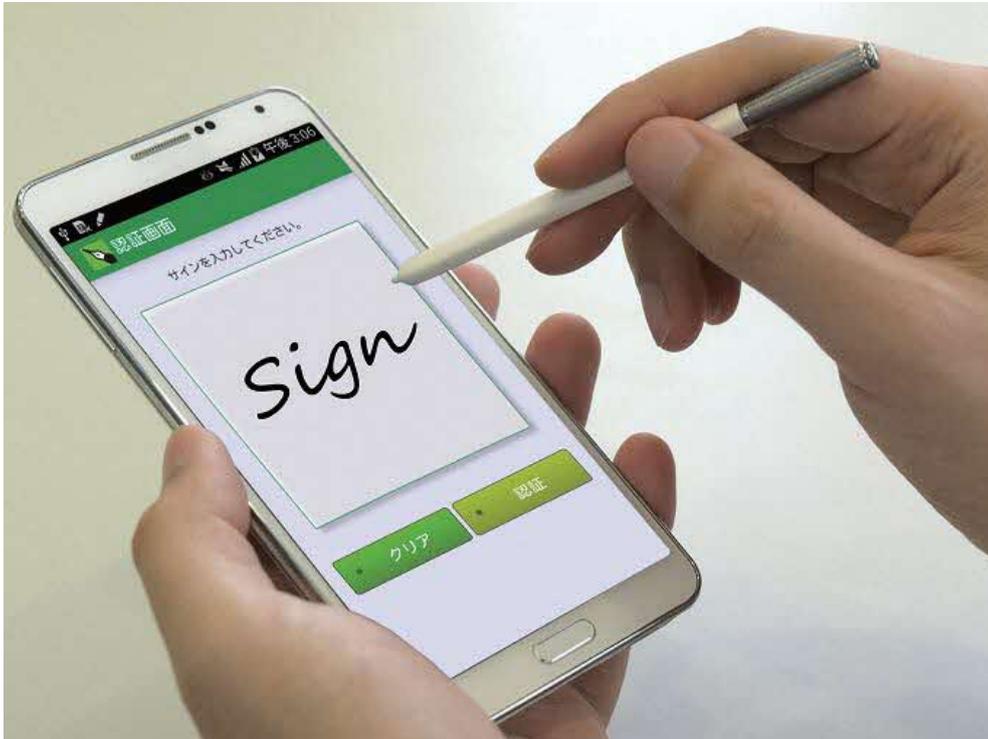
PENTAS-NET Co.,Ltd.

Pharmaco-PICOS

e-Grid Corporation

## Lafcadio Signature Authentication

This is a handwritten signature authentication technology which can be used on smartphones and other devices.



Lafcadio signature authentication is a handwritten signature authentication technology developed through joint research between PENTAS-NET and Shimane University.

Lafcadio signature authentication uses handwritten signatures and letters to execute personal authentication. The registered signature is compared with the signature written on the authentication screen.

Signature comparison includes dynamic information such as writing order and speed as well as shape.

A development kit (SDK) is available for incorporating the signature authentication into application software.

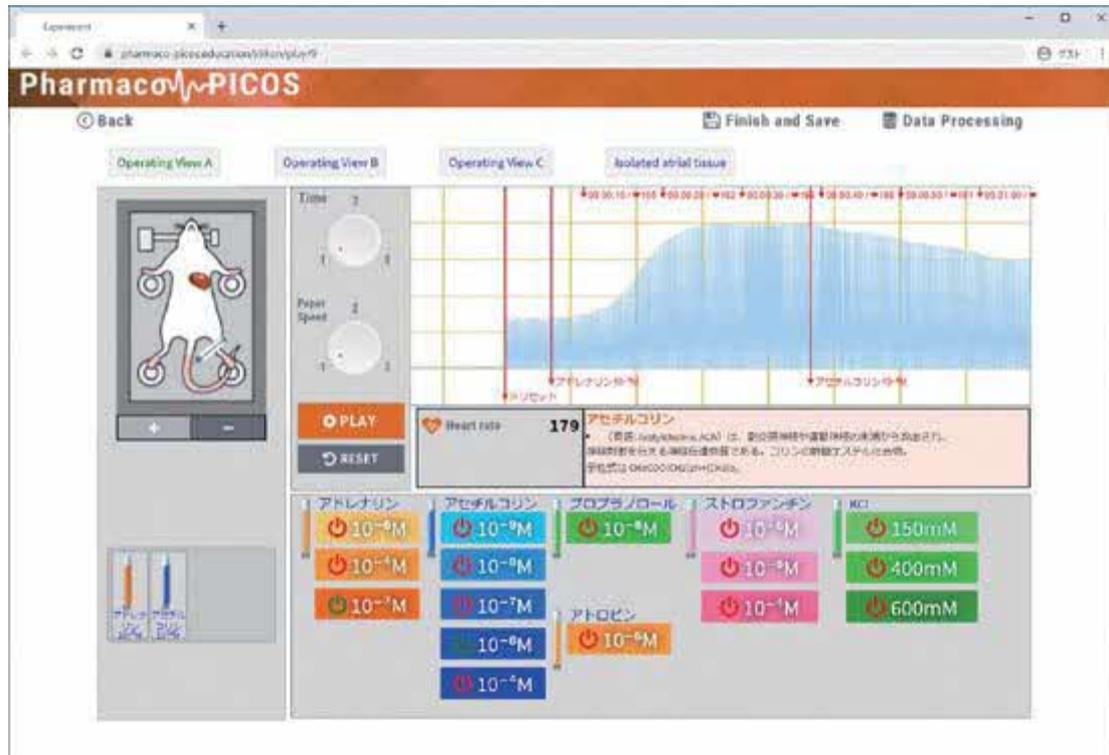
**PENTAS-NET Co.,Ltd.**

43 Hokuryocho, Matsue, Shimane

**URL** <https://www.pentas-net.co.jp/en.html>

## Pharmaco-PICOS

### Pharmacology Practical Training Simulator Which Can Be Used on Tablets



Pharmaco-PICOS is a simulator for practical training in pharmacology, which was developed in collaboration with the Shimane University Faculty of Medicine.

It provides basic pharmacology exercises (heart, intestines and blood pressure). It contributes to a reduction in the number of deaths and injuries of laboratory animals by replacing experiments with uniform results with simulation exercises.

It can be used on various devices such as tablets and PCs, as long as there is an environment to connect to the Internet.

While there were problems, including not being able to redo the experiment, in conventional practical training, using the simulator allows the students to rework as many times as they like, which helps each student improve their understanding as a result.

#### e-Grid Corporation

40-1 Etacho, Izumo, Shimane

TEL +81-853-20-2820 URL <https://pharmaco-picos.education/>