

# Screwing up Japan by Enomoto Screw Press!



The era of manufacturing is over.  
Manufacturing superpower Japan is past glory.  
Such opinion is flattering around.  
We live surrounding by things.  
FOOD is also things.  
Manufacturing is what supports our lives.

**To convey the wonderful manufacturing technology of Japan.  
That is the mission of Enomoto Machine.**

1. Constant development of technology
2. Open/Pioneer/Extension new market with new technology
3. Encourage Young engineer to enable both above

With those three arrows in our hearts, we aim to realize a sustainable future and continue to move forward with our unique manufacturing technology.

Raw material can be crushed, but we cannot be crushed.

Supporting the future through Traditional Manufacturing  
• • • Enomoto Machine

# MESSAGE

## Message from Managing Director



Our mission is

**"To convey the wonderful manufacturing technology of Japan."**

From making Earthenware of the JOMON period, 10th Century B.C. . to the present day, Japanese craftsmanship is the basic foundation on which the country is established.

Food is also a "thing" and without, people cannot survive.

Starting with rice, food production is essential to use our machines.

Our Screw Press machines are essential "things" for people to live.

This manufacturing technology never be lost.

Let's gather your young power and continue this valuable technology.

The future of Japan is bright by continuing "manufacturing technology".

Leading the world is no longer a dream.

We want to pursue that dream too. With you!



Mr. Managing Director

**Yoshio Enomoto**

# MISSION

## Our **mission**

To convey the wonderful manufacturing technology of Japan.



**Earthenware**

Manufacturing traditional technology of Japan is from 10th Century B.C. JOMON era.  
Enomoto machine will pass on this tradition.

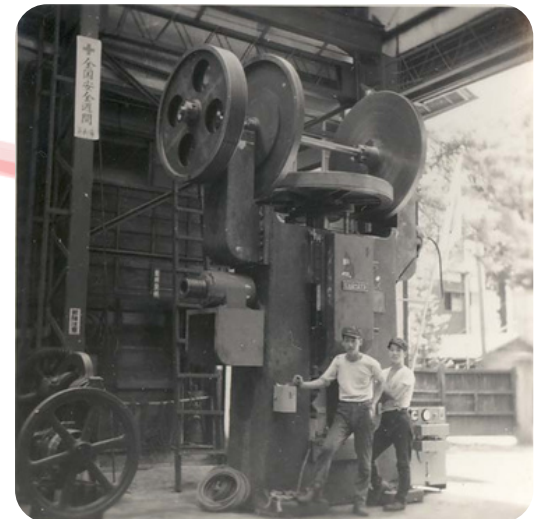


**Japanese sword**



**Wooden mechanical Robot Doll (Karakuri doll)**

Picture permitted by 9th generation Mr. Shobei Tamaya craftsman



**Old Friction screw press, around 1960**



**Modern Servomotor  
Driven Screw press**

# CORPORATE PHILOSOPHY



## Corporate Identity

3 arrows of Enomoto machine

1

### Constant development of technology

Always have high aspirations and carry out new development to provide customers with superior presses.

2

### Open/Pioneer/Extension new market with new technology

Taking on the challenge of developing overseas markets while flexibly responding to social changes and understanding needs

3

### Encourage Young engineer to enable both above

To develop human resources to improve the technical capabilities of companies by passing on the skills and know-how of skilled engineers cultivated on site to engineers who will lead the next generation.



# SUSTAINABILITY



# Better society for all

## Initiatives of Enomoto Machine

Enomoto Machine is a leading-edge company that responds to all kinds of social changes and always aims to evolve in line with the times.

In DX, which has been rapidly commercialized in recent years, we are conducting activities with an emphasis on thorough IoT and digitalization and SDGs activities. To build a better and more sustainable future for all Enomoto Machine will focus on solving social issues, and all employees will work together to contribute to the realization of a sustainable society.

DX: Transforming people's lives for the better by spreading advanced digital technology

IoT: Attaching sensors to things so that the information obtained by the sensors can be utilized via the Internet.

## Environment

### Consideration for the global environment

Strive to protect the natural environment by saving environmental resources through the development of products that anticipate long-term use.



#### Main efforts

- Solar panel installation
- Thorough efforts to conserve water and electricity in the company

## Products

### Safe and secure production activities through quality improvement

To continue to improve quality and provide safe and secure products by refining the technology and know-how that we have cultivated.



#### Main efforts

- Implementation of planned technology and skill training
- Proposal and implementation of design based on customer's request
- Education for making eco-friendly products

## Human rights

### Creating rewarding workplaces

Creating a comfortable working environment for employees. Each employee has a goal and a sense of purpose through the enhancement of welfare programs

We aim to create a work environment where employees can work freely without being bound by gender.



#### Main efforts

- Implementation of regular health checkups and stress checks
- Qualification cost assistance system

## Region

### Contributing to the realization of a prosperous society

Through our business, we will contribute to the realization of a sustainable local community by working to develop human resources and promote employment that will lead the next generation of local communities.

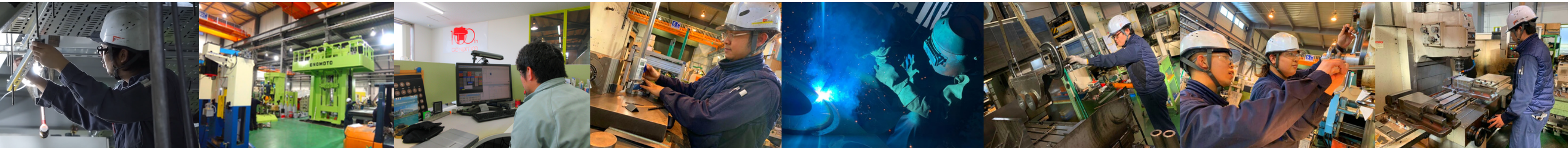


#### Main efforts

- Active recruitment of local human resources
- Acceptance of internship
- Acceptance of foreign trainees and staffs.

# INFORMATION

Since its founding in 1915, it is a global company that consistently manufactures and sells Press machines and exports to 19 countries.



Screw press is a press machine that uses the rotational force of screws. The prototype is a device used for squeezing olive oil from olives. We manufacture servo-motor-driven screw presses that use general-purpose motors to rotate screws. Manufacture of presses for a wide range of applications, including aircraft, agriculture, electric power, EV parts, and presses for processing materials such as ceramics.



After undergoing development, design, machining, and assembly processing, we sell finished products under the ENOMOTO brand. We are the only manufacturer of forging screw press machines in Japan. Around 80% of our products are exported, mainly to India and other Asian countries. All Enomoto screw press machines are driven by servo motors. We develop models for warm and hot forging of all metals and high-speed forming of CFRT (carbon fiber thermoplastic reinforced plastic). And recent models are compatible with IoT (Internet of Things). Developed forming presses for refractory materials such as refractory bricks and food processing presses Applications are expanding for Forging shaft auto parts and big size bolts.

<Forgings>



Fully automatic package unit equipped with material supply, heating, automatic robot, die lubricator and monitoring camera is also popular. Transfer processing that can install 3 numbers of molds is also compatible with packaging. We have won many technology development awards and have been certified as a model factory in Kanagawa Prefecture, which is given to factories that are recognized as models for other small and medium-sized enterprises.



100~1600TON  
SERVOMOTOR DRIVEN  
VERTICAL UPSETTER  
SCREW PRESS

## Model VES



## Model ZES

100~2000TON  
SERVOMOTOR DRIVEN  
SCREW PRESS



## Model TES

315~1600TON  
SERVOMOTOR DRIVEN  
TWIN SCREW PRESS

### —Export Destinations—

Japan, USA, China, Korea, Taiwan, Hong Kong, India, Thailand, Mexico  
Philippines, Canada, Malaysia, Vietnam, Indonesia, Brazil  
France, England, Czech Republic, Switzerland, Poland, Myanmar

# CHALLENGE

## All employees work together to challenge new technologies

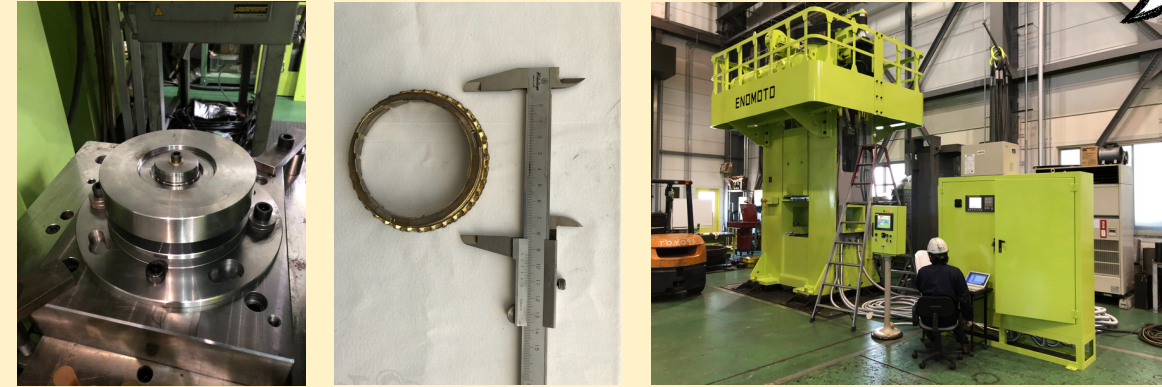
### 1 CHALLENGE

Vertical upsetter upper 3 to 4 Top Die shift fully automatic device  
→ Only our company in the world! Widely used in manufacturing big size bolts for wind power generators and axles for SUV vehicles.



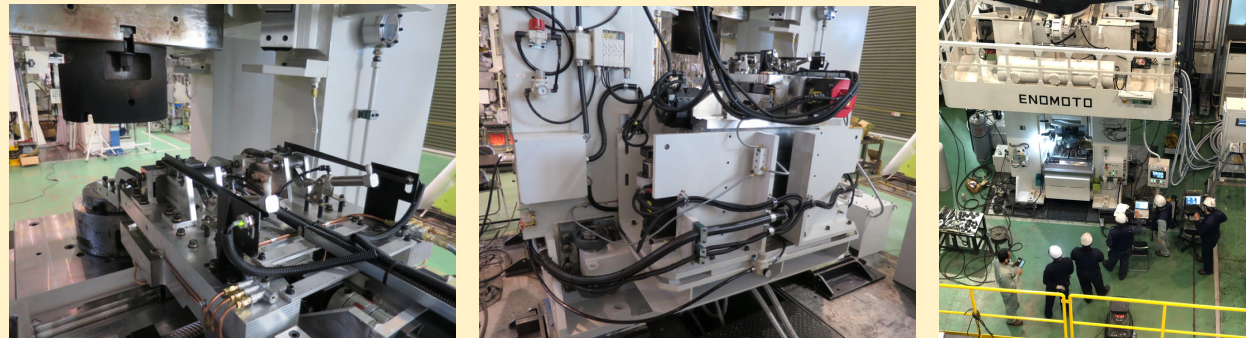
### 4 CHALLENGE

Closed Die device that realizes a Forming method that no waste.  
→ Operating in India



### 2 CHALLENGE

2.7 seconds tact press + high-speed automatic device  
→ Increasing orders for manufacturing gears for Evs  
The 2.7 second tact speed is too fast and declined by all robot manufacturers, so we developed it in-house.



### 5 CHALLENGE

Fully automatic forging unit with transfer robot for forging bearing cases of automobile axles, hubs, etc.  
→ Heating, Die lubrication, automatic robot and all unitized



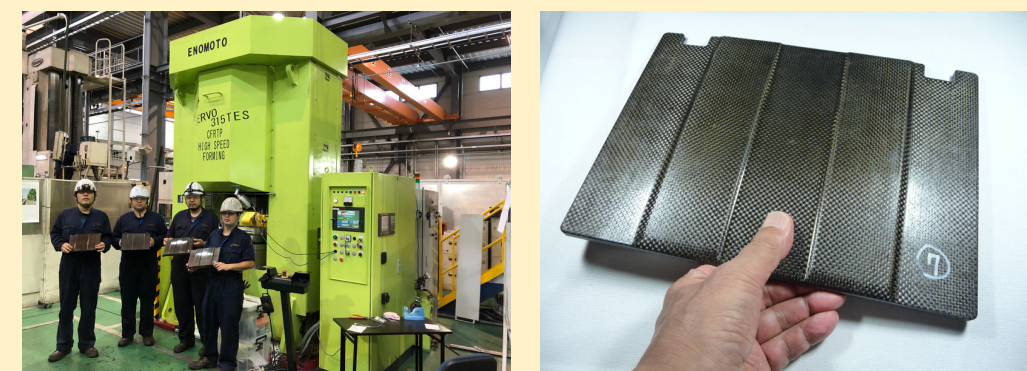
### 3 CHALLENGE

Fully automatic Engine valve forging unit  
→ 2 lines are built into the press, 2 pieces are manufactured every 3.5 seconds, and the machine is operated continuously for at least 1 hour without stopping.  
Also thickness accuracy of all products must be within the allowable range. Under those strict conditions no other company in the world accepted the request,  
Currently operating 3 lines in Poland and China



### 6 CHALLENGE

CFRTP high speed forming press  
→ Boldly challenge forming development such as Laptop PC cases and battery cases



# DEPARTMENT

## Department introduction

Enomoto Machine is divided into six sections.

Staffs working on their daily work while coordinating with each department and making the most of the goodness of teamwork.

### 1 Sales department

The role of connecting customers and the company by collecting information from customers and considering and proposing difficult issues together

◆ Business content  
Business negotiations, all sales operations, Japan/overseas exhibitions arrangement

### 2 Design department

Realize higher quality press manufacturing by designing and developing according to customer's request

◆ Business content  
New development, research and design of presses

### 6 Welding department

Indispensable for manufacturing that requires high skills to cut and weld the necessary steel materials

◆ Business content  
Mainly steel cutting and welding work

### 5 Purchasing Department

Procurement of "necessary materials" at "necessary time" and "necessary amount" with appropriate quality and price

◆ Business content  
Material procurement, inventory management, delivery & shipping arrangements

### 4 General affairs department

Back up and support behind the scenes for the smooth execution of each business of the entire company

◆ Business content  
General office work, account, personnel examinations, company clean up

### 3 Production department

Consisting of a machining team and an assembly team, we create presses that customers can use safely with a commitment to manufacturing.

◆ Business content  
Machining and assembly  
Control panel production/on-site installation  
Trial operation  
Maintenance and production management

#### Facilities

CNC Boring Machine (KURAKI Made)



Machining Center (OKUMA made)



Vertical Lathe (OM made)



大日NCねじ切り旋盤



- Horizontal boring & milling machine  
φ130×3000(TOSHIBA) 1unit  
φ150×2000(KURAKI) 1unit
- Double column machining center  
1200×1800 (OKUMA) 1unit
- Machining center  
600×1000 (MITSUBISHI) 1unit
- Turning center  
1600 (OM) 1unit
- CNC Lathe  
Max work length 6000(DAINICHI)1unit
- NC Lathe  
Max work length 2000(DAINICHI)1unit
- Vertical milling machine  
(OOTORI) 1unit  
(HOWA) 1unit
- Lathe  
Max work length 4000(DAINICHI) 1unit  
Max work length 2000(DAINICHI) 2units  
Max work length 2000(IKEGAI) 1unit  
Max work length 1000(DAINICHI) 1unit
- Radial drilling machine  
1500 (OOYA) 2units
- SHAPER  
900 (YAMAGUCHI) 1unit
- Key seating machine  
(MURATA) 1unit
- Surface grinding machine  
1200×600×600 (OKAMOTO) 1unit
- Crane  
30t (3units), 20t (1unit)  
5t (2units), 2.8t (1unit)
- Welding equipment  
Semi-automatic welding machine,  
Arc welding machine
- Vehicles  
Forklift, Truck, ... 8nos

Sales & Negotiation

Development & Design

Purchasing

Welding processing

Heat treatment (outsourced)

Machining

Assembly

Customer's inspection

Delivery /Shipping

Installation /trial run

Maintenance

Developing and designing a press that meets the application and requirements

Arrange parts and materials required for the press machine production

Welding processing by Welding department staff

Heat treatment by an out source company

Processed by the machining team

Assemble and check operation

Have the customer come to our factory and perform a final check of the machine in the presence before delivery/shipping

Once dismantled and shipped

Our staff will travel to the customer's location for installation, trial run, and final confirmation

Our staff will visit the customer once a year to perform an annual inspection of the machine.



# STAFF

## Our younger staffs

### The moment when I was able to make parts shape to the drawing is a joy!

The welding department to which I belong, cuts steel, and welding I cut materials for the maintenance deck of the press machine, remove burrs, and perform welding work.

The first staircase that I built by myself. Signboard production to write the type of material. I did it while imagining the finished product in my head. I was very happy when I finally completed the structure that I had created from scratch. I often have to carry something big or heavy, and sometimes it feels tight.

However, because I cut it from a blank material and make it from scratch, I feel a great sense of accomplishment when I assemble something big.

Working while learning new discoveries and various things every day is very fulfilling. If you like manufacturing, let's work together!

**Q: What do you like about this job?**  
Being able to give shape through my work.  
**By making exact shape from the drawings, I can see and feel the results, which leads to motivation.**

**Q: Why did you join Enomoto Machine?**  
I had no welding experience, but I liked manufacturing and wanted to get a job in manufacturing.  
**That's where I met Enomoto Machine. I decided to join the company because I was attracted to the technology that can only be done here after taking a tour of the factory.**



**Syota Mikami**

Joined the company in 2021  
Welding department



### Enomoto Machine's screw press supports the foundation of manufacturing!

I am working at Enomoto Machine as an Indonesian technical intern.

I belong to the manufacturing department, and I mainly use lathes for machining and assembly, and painting. There are many heavy and large materials, so it is essential to work while valuing communication and teamwork with everyone.

Working with seniors is an opportunity to get know-how and skills, so it is also motivating.

I am good at operating computers, so I also create company introduction videos and promotional videos for technology contests held in-house.

Enomoto Machine supports the foundation of manufacturing by manufacturing screw press machines. Let's work together at such a proud Enomoto!

**Q: What do you do on your days off?**  
My hobby is video editing.

**My room is studio, my favorite place, so I enjoy making late night videos and movies on weekends.**

**Q: What do you like about Japan?**  
I like the Japanese way of thinking about work and the Japanese culture of polite behavior.  
I love Japanese food too!



**Lala**

Joined the company in 2021  
Production department



### A company with a lot of young employees and lots of room for growth!

I mainly do parts machining for press machines. I am doing machining by using such as lathes, milling machines, and radial drilling machines.

We process a wide variety of parts, but when we consider that each of these parts are combined to create a large Enomoto press, we feel a great sense of accomplishment.

When I first joined the company, it took me a long time to process parts, but now I can finish them quickly. I am happy when it is completed well

Many staffs of the same generation work in the factory. In the machining department where I work, we communicate well in a team of 8 staffs, and while valuing reporting, communication, and consultation, we process parts on requested delivery time.

The average age is early 20s, and because we are close in age, we are good friends and can compete with each other in terms of technology.

**Q: What is the attractivity of Enomoto Machine ?**  
We have a full range of machining equipment, so we can try any kind of machining.  
**Recommended for those who like operating machines and making things!**

**Q: What do you do on your days off?**  
I like motorcycles.  
**I go touring with my friends and colleagues and enjoy my holidays.**

The picture below is my bike.



**Tatsuki Sawada**

Joined the company in 2018  
Production department



### We challenge new things every day!

For three years from 2010, I joined at Enomoto under the Foreign Technical Intern Training Program.

After that, I returned to Indonesia and accompanied business trips to exhibitions as a local support staff.

And in 2022, I want to study manufacturing at Enomoto Kiko again, so I'm joining as a specific skill No. 1.

I belong to the manufacturing department and mainly perform machining such as drilling, painting presses, and assembling machines. Recently, I've been trying to do work that I've never been involved in before, such as programming.

Although sometimes it is difficult, I am able to learn new knowledge and techniques while being taught by my seniors, and I am able to feel that my skills have improved and I am spending my days stimulatingly.

I would like to continue to challenge myself so that I can carry on the tradition of Enomoto Machine.

Enomoto Machine is the only screw press manufacturer in Japan, a traditional company that has been in business for over 100 years. Let's continue this tradition together. We'll be expecting you.

**Q: What do you do on your days off?**  
I shop for foods and cook as a hobby.  
I like Japanese food, but I also like Indonesian food from my home country, so I enjoy cooking it myself on weekends.

**Q: What is the good point of the company?**  
To be able to challenge new things more and more!  
Recently, I have been accompanying my senior on business trips to study. I actually go to the customer's factory and perform maintenance, so I can learn a lot while watching the back of the seniors who work.



**Dedy**

Joined the company in 2021  
Production department



### You can experience the fun of manufacturing!

I mainly do electrical wiring, assembly work, and program creation for press machines.

Since I majored in mechanical engineering in high school, I had almost no knowledge of electrical wiring.

However, thanks to the guidance of my seniors, I learned the basic knowledge of wiring and became able to wire the main body of the press machine.

Since the wiring is different depending on the customer, there are times when I stumble without knowing.

Sometimes I feel that my knowledge is still lacking, but I feel the joy of learning new skills every day, and I think that I am very blessed with a company good environment.

If you are interested in manufacturing, let's work together!

**Q: What is the attractivity of Enomoto Machine ?**  
80% is export. Therefore, I have many opportunities to go on business trips abroad, and one of the things I look forward to is being able to go to various countries.  
The country I want to visit again is Poland!  
There were many beautiful women (laughs).

**Q: What do you do on your days off?**  
I like music, so I go to concerts of my favorite artists with my friends and colleagues.



**Yuta Kaneko**

Joined the company in 2009  
Production department



### I wanted to study and work here!

I completed my master's degree at the Indian Institute of Technology, Madras (IITM) and then completed my PhD at Kyushu University under JICA's Innovative Asia Program until 2020.

In 2019, I had the opportunity to visit Enomoto and felt that "the work being done at this company is at the heart of mechanical engineering and is very relevant to what I want to learn."

And now I am working as a member of the development design department.

My work is simulation analysis and design of press frame structures.

I am also involved in research and development in the field of CFRTP forming.

I work with a variety of popular software such as 3DSolidworks, 2DAutocad and RapidPro.

Enomoto Machine holds an English conversation class every week, and as a teacher, I have been given a great opportunity to teach English to the staff.

For me, it is a good opportunity to communicate more deeply with the Japanese staff and make friends.

**Q: What do you do on your days off?**  
I usually go out with my friends, have lunch together and have fun talking.  
I also like cooking, so I often cook Indian food on weekends!  
The other day, I treated everyone in the company to my favorite dish, curry, and ate it together!



**Verma**

Joined the company in 2020  
Development Design department



# WORLD WIDE PRESS



## INDIA



## INDONESIA



## CZECH



## VIETNAM



## UK



## AMERICA



## FRANCE



## MEXICO



## POLAND



## PHILIPPINES



## CHINA



## KOREA



## SWITZERLAND



## THAI



# FEATURES

## Six features of Enomoto

# 1

**There is an environment where you can improve your skills!**



Isogawa teacher school



The company actively supports the growth of its employees by supporting them in acquiring the qualifications necessary for their work and subsidizing the cost of taking examinations in order to advance their careers and acquire and improve their skills. Company offer an English conversation school once a week to improve the English skills of all employees, and once a month we have a study session with a dedicated teacher to learn specialized knowledge.

# 2

**There are many opportunities to improve your skills!**



Several types of contests are held throughout the year to compete for skills, and the top three winners are awarded every year. If you win a prize, you will receive a large amount of prize money, so it will not only improve your skills but also increase your motivation!

# 3

**Many young employees!**



The average age of the factory staff is in the early 30s, and many young employees are enrolled. We emphasize ability and results regardless of age, so we have a track record of managers in their 20s and executives in their 30s.

# 4

**A good relationship unique to a small size company!**



At the end of the year, we have a BBQ at the company, and our in-house futsal team meets twice a month through sports such as badminton and table tennis.

# 5

**Recommended for those who want to work internationally!**



We are a global company that exports a lot to overseas countries. There are many foreign staff, and through communication, you can aim to strengthen your English skills in parallel with improving your business skills, from daily English conversation to business English conversation. It is recommended for those who want to work internationally, as foreign customers often visit the company!

# 6

**Welfare is fulfilling!**



Subsidies for lunch, subsidies for rent, subsidies for transportation expenses, provision of in-house drinks, sharing of social gathering expenses, Benefits such as the cost of acquiring qualifications are substantial! The company has Enomoto International House dormitory (single dormitory), which is fully equipped for those who join the company, within a 5-minute walk.

## Company Profile

Company name	ENOMOTO MACHINE CO.,LTD.
Head office & factory	1-1-5 MACHIYA, MIDORI-KU, SAGAMIHARA CITY, KANAGAWA PREF. 252-0101 JAPAN TEL:81-42-782-2842 <a href="http://www.enomt.co.jp">http://www.enomt.co.jp</a> E-Mail:info@enomt.co.jp
Managing Director	Yoshio Enomoto
Establishment	1915
Capital	¥10,000,000 yen
Our Business	Manufacture and sales of press machines
Employees	37 people
Main Customers	Japan MINT, Parts supplier of TOYOTA, NISSAN, HONDA, MAZDA, ISUZU, MITSUBISHI AND SUBARU, Citizen Watch Co.,Ltd., Mitsubishi Heavy, Mitsubishi Material. Honda Motor, IHI, NTN, Yamaha, Tsubakimoto Chain, Aichi Steel, Daido Steel, NITTAN, Tanaka Precision, Chuetsu metal, Paloma, LIXIL, Nippon steel, Citizen watch, Hitachi Astemo, Kyowa Metal. Fuji seimitsu, Mani, Suwada, Tohoku bolts, Unytite, JTEKT, TOYOTA Motor hokkaido,



Company Video



Company Website



Recruit Website

