

# FUJI HENSOKUKI



**Fuji Hensokuki co.,ltd.**



## Aiming to Become an Environmentally Conscious Company

FUJI HENSOKUKI CO., LTD. considers customer satisfaction and their evaluation of the company as their most important missions. Backed by our technological and creative strengths, FUJI HENSOKUKI strives for technological development and added value with designs that shape ideal products for our customers. We also continue to strengthen quality control and enhance the services we provide to maintain high marks in the structuring of our businesses in cooperation with our customers. Today, more than 70 years after our establishment, we continue our efforts to improve machining process technology and increase the skills required to do so. We have also set up and vigorously follow a code of conduct that demands legal compliance and promotes strict adherence to our corporate philosophy. We endeavor to create products that meet environmental standards and establish production control in consideration of environmental preservation.

We aim to practice environment consideration and technological advancement in sincere pursuit of the goal of becoming an environmentally conscious company and working hard to win the trust of our customers, clients and shareholders.

## Corporate Summary

**Founded:** April 15, 1947

**Established:** January 26, 1965

**Representative:** Hiroshi Yamamoto

**Capital:** 2,507,500,000 yen

**Stock exchange:** Nagoya Stock Exchange, Main

**Number of employees:**

227 (203 male employees, 24 female employees)

(As of December 31, 2021)

246 employees including 19 temporary employees

**Business operations:**

### Geared motor related equipment

General geared motors, special geared motors, shutter drive unit, Jet Savior (for fire fighting purposes)

### Parking related equipment

Puzzle Tower, Super Puzzle GS, Super Puzzle LB, Puzzle Tower Mini 10, Puzzle Tower Eco Kei, New Pair Park, Pair Park III Aberto

### Interior/Exterior equipment

Movable partitions (sliding doors) SD100, SD80, SD66  
Motorized Panel Louver

**Offices:**

#### Head Office

18 Nakasu-cho, Gifu City, Gifu

Tel: 058-271-6521 Fax: 058-276-2722

#### [Geared Motor Equipment Department]

Tel: 058-271-5895 Fax: 058-271-6524

#### [Parking Equipment Section]

Tel: 058-271-6597 Fax: 058-276-6510

#### Mino Factory

963-1 Gokurakuji, Mino City, Gifu

Tel: 0575-33-1151 Fax: 0575-35-2062

#### Techno Park Factory

7 Kaededai, Mino City, Gifu

Tel: 0575-35-3972 Fax: 0575-35-3976

#### Tokyo Branch

SUMITOMO FUDOSAN NISHISHINJUKU BLDG.NO.3 4-15-13

Nishishinjuku, Shinjuku-ku, Tokyo

#### [Geared Motor Equipment Department]

Tel: 03-3370-6359 Fax: 03-3370-2030

#### [Parking Equipment Section]

Tel: 03-3370-5531 Fax: 03-3370-5801

**Parent Company:** TACHIKAWA Corporation

**Financing Banks:**

Aichi Bank, Ltd.

The Juroku Bank, Ltd.

The GIFU SHINKIN BANK

MUFG Bank, Ltd.

Mizuho Bank, Ltd.

Sumitomo Mitsui Trust Bank, Limited and etc.

**Website:** <https://www.fujihensokuki.co.jp>

## Geared Motor

Designed with an emphasis on high efficiency and low noise  
Wide range of transmissions in response to a variety of applications



In order to respond to the needs of the increasingly diversified field of mechatronics, FUJI HENSOKUKI is engaged in the designing and production of transmissions and geared motors using advanced gear technology, as well as system products associated with driving revolution technology. Our general-purpose geared motors, VX series and VC series, developed as a result of the technology and experience FUJI HENSOKUKI has accumulated

over the past half century, are now widely used in diverse fields, spanning industry into leisure and household appliances. As a driving force in our industrial society, we continue to exert our utmost efforts with technologies we have accumulated over the years for the development of new products, which in turn, will contribute to the greater prosperity of the new era.



# Geared Motor

Designed with an emphasis on high efficiency and low noise  
Wide range of transmissions in response to a variety of applications

## General-purpose geared motors as a core of the industry

Geared motor [Parallel shaft]

### VX Series



Hollow shaft geared motor [Orthogonal shaft]

### VC Series



#### Common features

1. Capable of constant torque operation through inverter
2. Brakes equipped with a manual break release device
3. Terminal box capable of 90° position change
4. Low noise and long life
5. Compact size and light weight
6. No maintenance
7. Spec for Waterproof IP65 is also available.

Compact Geared Motor <Concentric Shaft>  
with less than 100W output

### VP Series

A slim body type that is easy to use with the motor and parallel shaft and equipped with 3-point planetary method for deceleration system.



High Precision Decelerator <Parallel Shaft>  
for servo motor

### VX-H Series

The improved precision of parts enables suppressing backlash without preloading.





# Geared Motor

Diverse use with special specifications  
Made-to-order Development System

## Geared motor for motor-driven elevating device



### A wide variety of optional functions such as brakes

Widely used as elevating device for buildings, factories and warehouses

## Geared-motor for nautical winches



### Supports cargo loading and unloading operations

Used worldwide as general davit and ladder lifting geared motors installed on marine vessels

## Mechanical parking



### Succeeded in developing a low noise device

Used as motorized system at many multilevel parking structures with its stable and smooth rotation capability

## For printing machines



### Contributing to the stable operation of rotary presses

The device is adopted in offset printing machines. Provides a high-precision geared motor and low backlash

# Geared Motor

## Diverse use with special specifications Made-to-order Development System

### Geared motor for opening and closing of shield screens

This motor is adopted at the well-known Nagoya Dome baseball stadium. At the center of its ceiling is a shielding screen formed by 114 triangular sheets measuring approximately 10m on each side. Our special geared motor is used for opening and closing this screen. Computer control makes various opening and closing patterns possible to produce an interesting doom environment. It is worth your while to see this shielding screen with your own eyes.



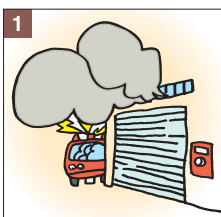
# Jet Savior

Jet Savior protects irreplaceable life and property  
An emergency safety device in case of fire

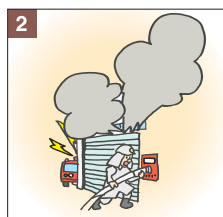


This is a shutter driving device applying geared motor technology. Among these devices, the Jet Savior is a motor-driven hydraulic shutter release device that has been developed using our outstanding technology. The device releases shutters by rotating the turbine from the outside with a powerful hydraulic pressure applied from fire-fighting vehicles. The device enables a fire brigade to start fire fighting within one minute, assisting in the saving of valuable life and property. The Jet Savior, that enables initial fire fighting without destroying shutters, is a very effective device for shops and financial organizations.

## Operating procedures



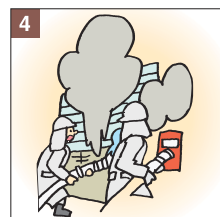
1 A fire-fighting vehicle arrives at the scene of a fire. Start preparation by extending the hose from the fire truck to the Jet Savior water pipe connector.



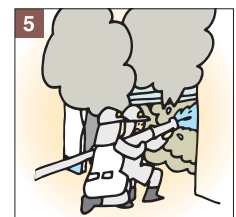
2 Remove the cap from the Jet Savior water pipe connector and connect the hose from the fire truck.



3 Fully open the water supply pump on the fire truck to start pumping water.



4 When water is supplied through the Jet Savior water pipe, a bladed wheel at the driving section rotates under the force of the hydraulic pressure. A switch is activated and the shutter begins to open automatically.



5 When the shutter is opened to the height that allows entry to the building, the operation stops automatically. It takes only 60 seconds.



# Equipment

## Integration of cutting edge production technology and facilities "Dream Factory" engaging in new product development



Using "FUJI HENSOKUKI's rival is our own technology and products" as our motto, FUJI HENSOKUKI aims to maintain its top-level position in the field. The Mino Factory boasts the most up-to-date equipment and is laid out efficiently for research and development of new products and manufacturing operations. Goal for the Techno Park Factory is to create products "that are truly necessary for the society" in facilities equipped with cutting-edge production technologies. We aim to realize the "Dream" that expands possibility through day-to-day effort.



Gear grinder



Robot welding machine



Laser beam machine



Gear shaver

# Equipment

Integration of cutting edge production technology and facilities  
"Dream Factory" engaging in new product development

## Design Development / Inspection / Tests



FUJI HENSOKUKI always sets new challenges for energy conservation, cost reduction and the effective handling of hazardous substances, along with our design development operations. Various tests and inspections are necessary in order to realize and maintain high quality in our products.



Three-dimensional measurement



Die measurement



Mesh Inspection



Endurance test



Crush test



Line test

# Equipment

## Integration of cutting edge production technology and facilities "Dream Factory" engaging in new product development

### Quality / Environmental Control



FUJI HENSOKUKI obtained ISO9001 certification in March of 2001 and we are working on thorough product quality control with the continuing aim of improved customer satisfaction. The Mino Factory obtained ISO14001 certification in May of 2007, and it is working on environmental preservation activities in order to protect the precious environment that we have and to restore the environment that has been damaged so that we may hand down a better world to future generations. We are also moving forward to commercialize products complying with RoHS to restrict the use of hazardous substances (lead, mercury, hexavalent chrome, etc.) in our general-purpose products.

#### Obtained ISO9001



#### Obtained ISO14001



X-ray fluorescence analyzer (RoHS analyzer)



Head Office



Mino Factory



Techno Park Factory