



Shibaura thermistors support everyday life and help protect the planet.

Corporate Profile



Head Office
Sanshoku Bldg. 2-1-24, Kamiochiai, Chuo-ku, Saitama City, Saitama 338-0001, Japan
TEL +81-48-615-4000 / FAX +81-48-615-4001

East Japan Sales
Sanshoku Bldg. 2-1-24, Kamiochiai, Chuo-ku, Saitama City, Saitama 338-0001, Japan
TEL +81-48-615-4100 / FAX +81-48-615-4101

West Japan Sales
Urban Research Bldg., 9F, 1-6-4 Kyomachibori, Nishi-ku, Osaka 550-0003, Japan
TEL +81-6-6479-6000 / FAX +81-6-6479-6010

Central Japan Sales
Pacific Square Nagoya Nishiki 5F, 2-5-12, Nishiki, Naka-ku, Nagoya 460-0003, Japan
TEL +81-52-203-4821 / FAX +81-52-203-4823

Shibaura thermistors support everyday life and help protect the planet.

From the distant past into the future, the history of humankind is one of continuous evolution and change with everyone striving to improve their lives. In response, companies must look ahead and anticipate the years of change and, accordingly, seek to transcend constraints and transform to accommodate such evolution and change. The world is truly experiencing a vortex of ever-changing progress, and constant innovations are being made day and night even in the fields of science and engineering where we work. Companies must respond to the diversification of market needs, as well as to changes in the international situation and other circumstances that are becoming increasingly more challenging, and the depletion of energy resources and the destruction of the environment by human activities are emerging as new issues.

When operating in this climate, the ability to optimally control the surroundings is an essential requirement, and control of the temperature, humidity, and wind speed is an essential means of taking action. The market for temperature and humidity control, which is supported by consumer demand for comfort, industrial demand for greater efficiency, and national demand for a way to combat depletion, is expected to continue expanding both in Japan and overseas.

Engaging in research and development activities without a clear strategy may yield positive results in the short run but will not lead to sustainable long-term success.

In addition, whether a company can produce what clients want will determine whether the company has any value to society.

Moreover, the tried-and-true route to success is to serve the changing demands and needs of society as faithfully as possible. We believe that ascertaining what people desire and need and developing a system to satisfy those needs are better ways to fulfill our societal responsibilities and can be more profitable.

Everyone has unlimited potential for growth through cumulative efforts. Shibaura Electronics will take on each possibility as a challenge to be met, steer a course for tomorrow through technology, and seek to bring forth a prosperous future.

Globally renowned technology

The excellence of our high-performance glass-encapsulated thermistors and manufacturing technology has been recognized by leading managers and chief engineers from around the world, which in turn has led to greater sales and more technology contracts.

Aiming to establish a global standard

We are working to cement the position as a global standard by harnessing our NTC glass-encapsulated thermistor development technology as cultivated over many years and by closely accommodating the rapid growth in demand for thermistors and thermistor sensors in all markets of the world.

Global expansion

In order to support the comfortable and bountiful lives of customers, we will stay ahead of the times and provide a wide range of high-precision, high-stability thermistor temperature sensors to the world.

Corporate logo



The initials in our name—Shibaura Denshi—can also stand for the following:

- (1) Sensing Device**
- (2) Successive Development**
- (3) Speedy Delivery**

In other words, the initials of the company name reflect our commitment to developing and delivering sensor devices to customers as quickly as possible.



Top Message

Founded in 1953 as a manufacturer of thermistors for use in measurement and control applications, we have continuously manufactured and sold thermistor elements and temperature sensors for many years. We are profoundly grateful to all stakeholders for making this possible.

The social environment has changed significantly since the founding of the company. In recent years in particular, global warming, energy conservation, and carbon dioxide emissions have become important challenges that must be properly addressed on a global level.

Against this backdrop, our products are in wide use around the world, especially in automobiles, climate-control systems, household appliances, housing facilities, industrial equipment, and printers. These products help to realize lifestyles that are safe, secure, and more comfortable, while contributing to energy conservation efforts and improving the environment.

Each employee of the Shibaura Electronics Group will continue to enhance the quality of our products and work to increase corporate value so that we become a company that meets the expectations of all stakeholders.

Akira Kasai

President
Shibaura Electronics Co., Ltd.

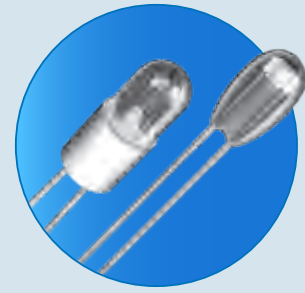
Corporate Philosophy

Corporate Mission

Our corporate mission is to protect the global environment, contribute to the improvement of life, and promote the culture and happiness of people around the world.

Management policies

1. Every employee of Shibaura Electronics shall accept the challenge to aggressively pursue their dreams with passion, share values, consider others, and act proactively. We will develop employees who demonstrate excellent individuality and sensitivity, improve through friendly rivalries, and grow through work as we create a free and vigorous corporate culture.
2. We will strive to help our clients to improve corporate value using our products. We will achieve our contributions to clients by meeting their needs, responding quickly and accurately, and securing appropriate profits.
3. To protect the global environment, we will contribute to the improvement of energy efficiency and the realization of a safe society.
4. We will enhance our company's value by earning the trust of society and continuing to be chosen as a company with which we will contribute to shareholders.



Automobile

Every automobile uses around 15 thermistors of various types to improve environmental performance, safety and comfort.

Thermistors are used for temperature control in motors, batteries and inverters in electric and hybrid electric vehicles (EV/HEV), engine temperature and outside temperature, etc.

Automobiles

EV/HEV

- Motor
- Generator
- Power control unit (PCU)
- Battery
- Charger
- Air conditioning
- Fuel cell vehicles (FCV)



Engine control

- Intake air temperature
- EGR • Tmap • Water temperature
- Oil temperature • Fuel temperature
- Exhaust gas temperature



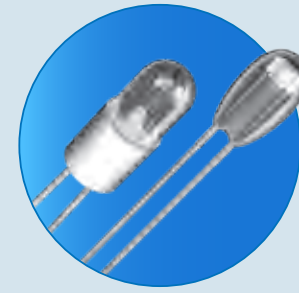
Air conditioning, etc.

- Evaporator
- Outside air temperature
- Cabin temperature
- Door mirrors



Transmission-related

- Gear oil (ATF)



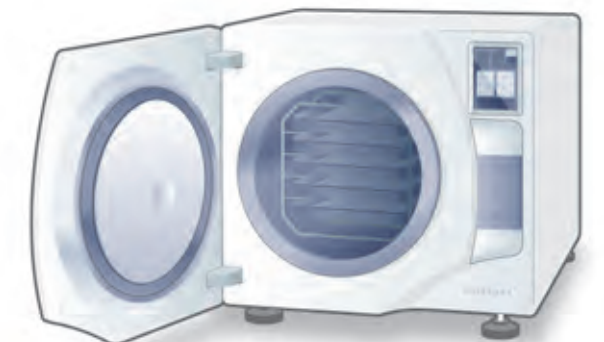
Medical devices

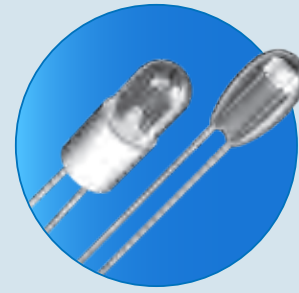
Thermistors are also used for a variety of purposes in medical devices.

High-precision, compact thermistors enable temperature sensors to be mounted on minute devices that are inserted into the human body and also on compact devices for at-home treatment.

Medical Devices

- Sterilization devices
- Hemanalysis devices
- CPAP





Society

Thermistors are used in devices employed in plants, companies, stores, and restaurants for a wide variety of applications to improve safety, control machinery to prevent breakdowns, and to achieve other aims.

Fire alarms

- Anomaly detection



Multifunction printers

- Fuser and pressure rollers
- Internal device temperature



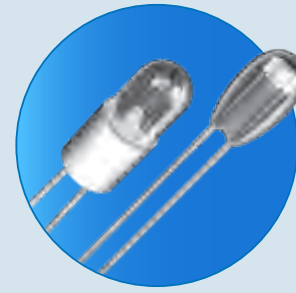
Refrigerating/Freezing Equipment

- Internal temperature
- Ice makers



Robotic Arms

- Servo motors
- IGBT
- Invertors



Home

Thermistors are used in a wide variety of applications, including kitchen appliances, air conditioners, and other white goods and household appliances. Because the products offer higher levels of performance and are more energy efficient, higher precision temperature control is required.

Air Conditioners

- Pipes (indoor/outdoor units)
- Room temperature sensors
- Level sensors



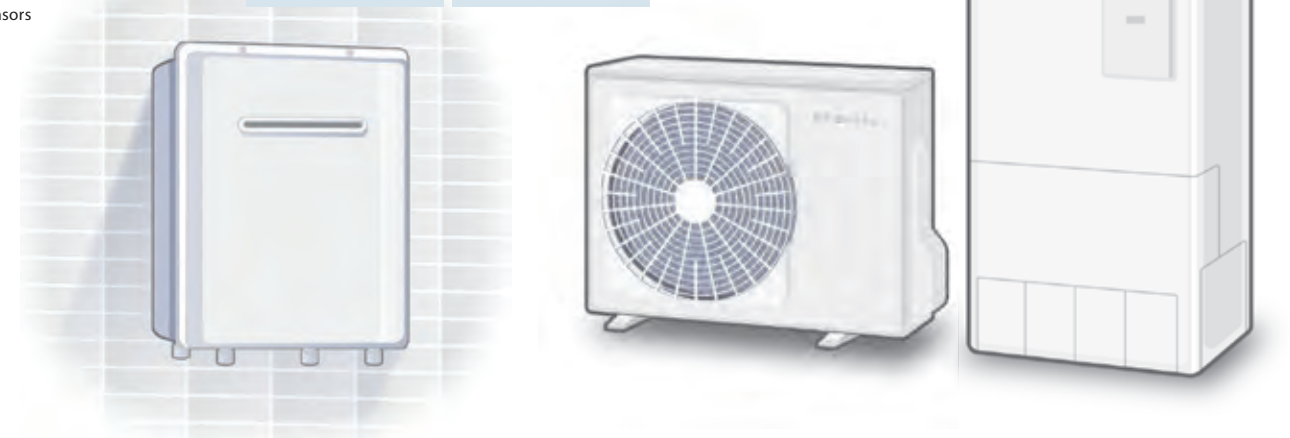
Fan heaters

- Vaporizers
- Hot air
- Room temperature



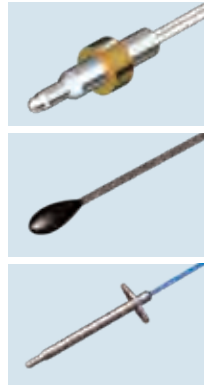
Gas Water Heaters, Heat Pump Water Heaters

- Mains water and hot water supply
- Burner sensors
- Outside temperature
- Intake air temperature
- Bathroom drying and heating systems
- Level sensors



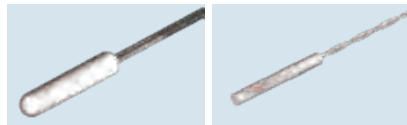
Warm-water Bidet Toilets

- Mains water temperature and hot water supply
- Seat heater
- Hot air drying
- Room temperature



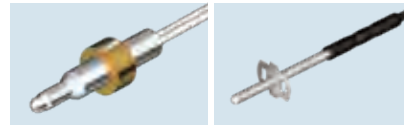
Refrigerators

- Interior
- Defrosting
- Ice makers



Household Fuel Cells

- Hot water storage tank water temperature
- Reformers



All-in-one Washer-dryers

- Water temperature control
- Hot air control



Rice Cookers

- Lid sensors
- Bottom sensors
- Side sensors



Irons

- Steam tanks



Cooking Stoves

- Induction cookers
- Gas stoves (SI sensors)
- Grills



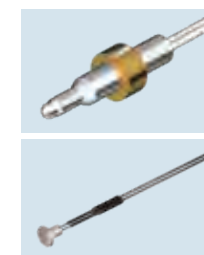
Microwave Ovens

- Internal temperature
- Humidity sensors
- Magnetrons



Coffee Machines

- Water temperature control
- Heater control



Corporate Info

Corporate name
SHIBAURA ELECTRONICS CO., LTD.

Location of H.Q.
Sanshoku Bldg., 2-1-24 Kamiochiai, Chuo-ku,
Saitama City, Saitama 338-0001, Japan

Start of operation
March 3, 1953

Capital
2,144 million yen

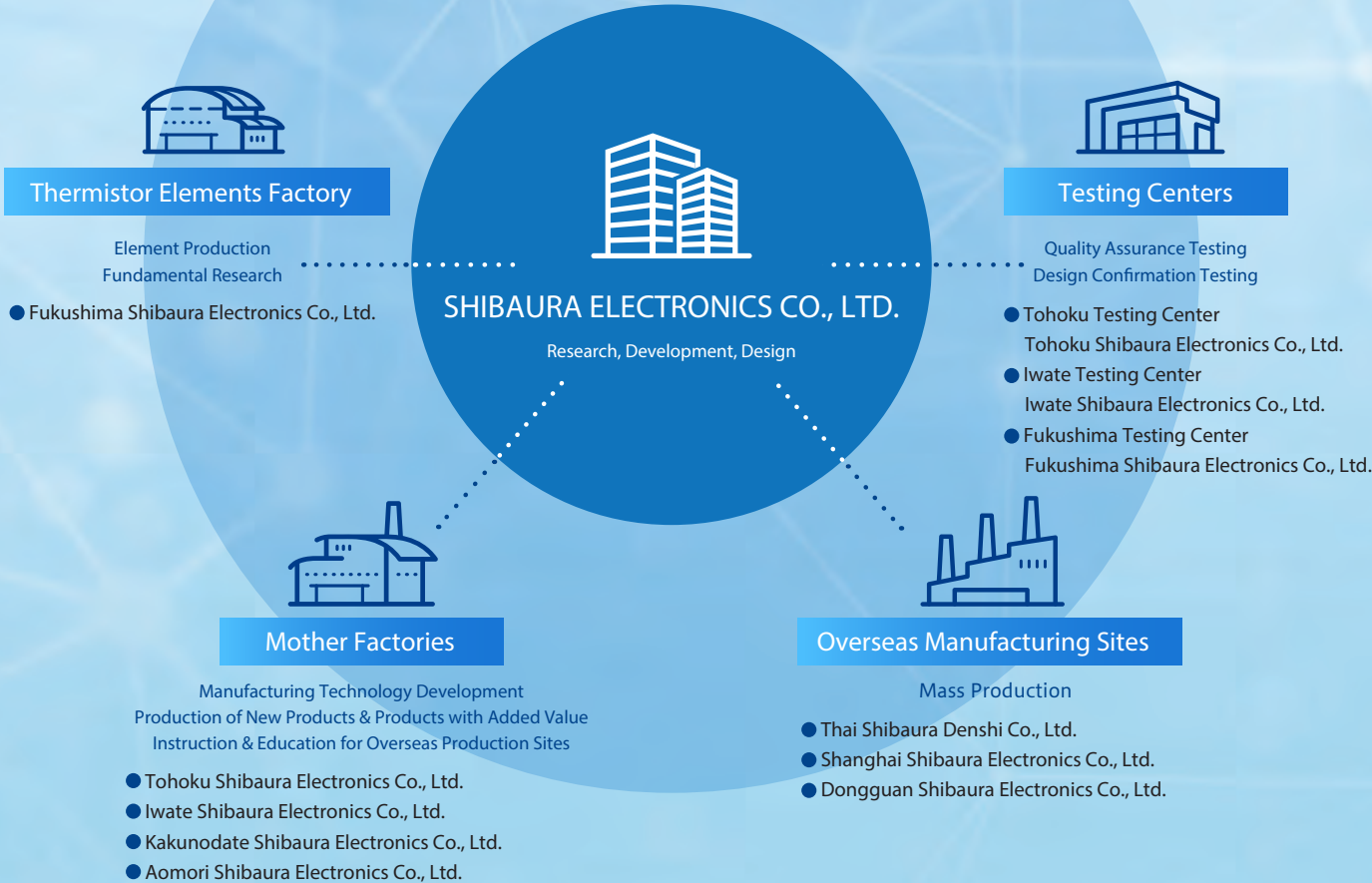
Standard Market-listed shares
Registered in September 1985

Employees
Group: 4,500 approx.
As of March 31, 2022

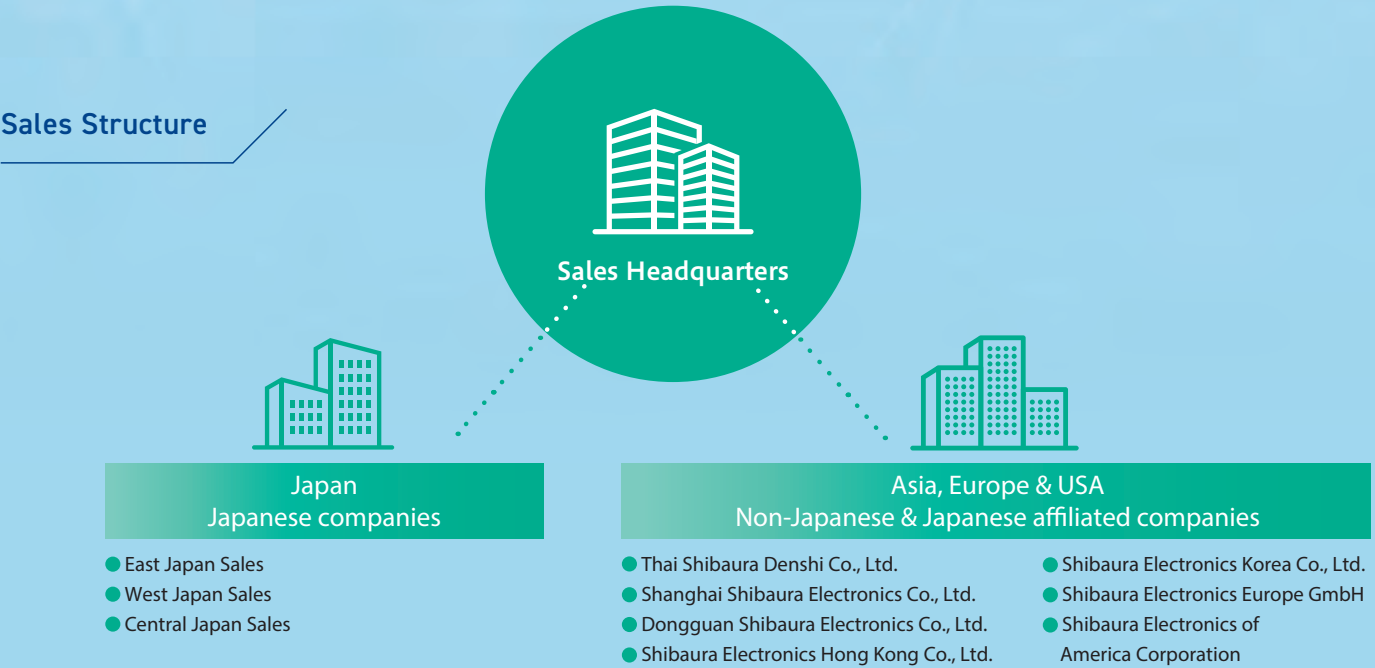


Production Structure

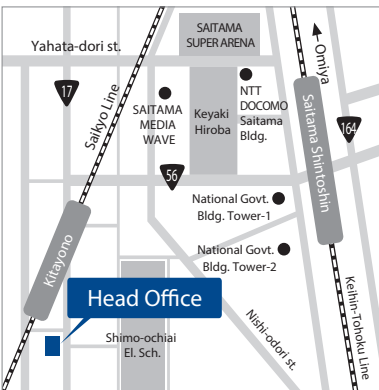
We repeatedly hold meetings with our customers from the product development stage to discuss specifications such as the usage environment and temperature range, and solve problems together in order to manufacture customized products that better meet the customer's needs. Our rigorous quality control system enables us to offer stable mass production of high-quality, highly reliable products. We have five domestic and three overseas production sites that provide the foundation for supplying the products that meet the diverse needs of our customers.



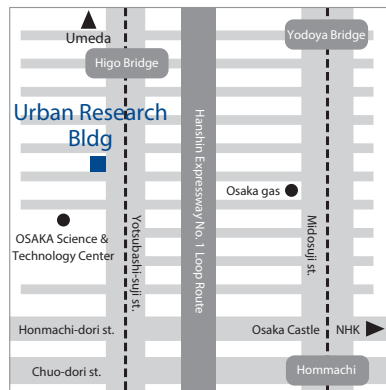
Sales Structure



Head Office East Japan Sales



West Japan Sales



Central Japan Sales



Domestic bases

We offer highly reliable products through our established production system.

The Shibaura Electronics Group engages in the research, development, and design of products at its head office. The relevant group plants carry out the activities of manufacturing technology and production. In this way, highly reliable products are manufactured and sold in accordance with consistent quality control standards.

Tohoku Shibaura Electronics Co., Ltd.

Kakunodate Shibaura Electronics Co., Ltd.

Aomori Shibaura Electronics Co., Ltd.

Iwate Shibaura Electronics Co., Ltd.

Fukushima Shibaura Electronics Co., Ltd.

East Japan Sales · Overseas Sales

Central Japan Sales

West Japan Sales



Fukushima Shibaura Electronics Co., Ltd.



Iwate Shibaura Electronics Co., Ltd. 1st Factory



Iwate Shibaura Electronics Co., Ltd. 2nd Factory



Tohoku Shibaura Electronics Co., Ltd.



Aomori Shibaura Electronics Co., Ltd.



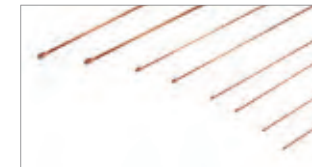
Kakunodate Shibaura Electronics Co., Ltd.

High Quality Product Lineup by Shibaura Group

Fukushima Shibaura Electronics Co., Ltd.

66-5 Higashi Sasada, Nukazawa, Motomiya City, Fukushima Prefecture, Japan
TEL +81-243-44-3017 / FAX +81-243-44-4365
ISO9001, ISO14001 certified / IATF16949 certified

PSB-S type



PSB-N type



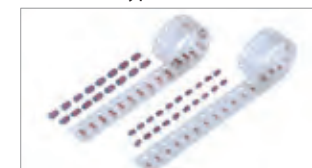
UH1 type



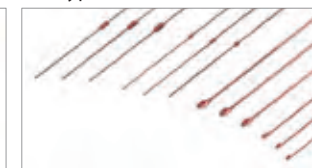
NSII & NSIII type



KG3 & KG2 type



RB1 type



Iwate Shibaura Electronics Co., Ltd.

Location 17, Notsuki, Michinoshita Torigoe, Ichinohe-machi, Ninohe-gun, Iwate Prefecture, Japan
TEL +81-195-33-2981 / FAX +81-195-33-2071
[1st Factory] ISO9001, ISO14001 certified [2nd Factory] ISO9001, ISO14001 certified

For home appliances



For water heaters



For automobiles



Tohoku Shibaura Electronics Co., Ltd.

58-66 Shimotakano, Obonai, Tazawako, Semboku City, Akita Prefecture, Japan
TEL +81-187-46-2888 / FAX +81-187-46-2999
ISO9001, ISO14001 certified

For industrial equipment



For cooking devices



For office automation equipment



For heaters



Aomori Shibaura Electronics Co., Ltd.

74-1, Warazidaira, Kawamorita, Sannohe-machi, Sannohegun, Aomori Prefecture, Japan
TEL +81-179-22-1122 / FAX +81-179-22-1120
ISO9001, ISO14001 certified

For air conditioners



For white goods and batteries



Kakunodate Shibaura Electronics Co., Ltd.

60-2 Hagurodo, Kawara, Kakunodate-machi, Semboku City, Akita Prefecture, Japan
TEL +81-187-54-3210 / FAX +81-187-55-4888
ISO9001, ISO14001 certified

For automobiles(EV & HEV)



Domestic sales network

Please contact your nearest sales office

West Japan Sales

Urban Research Bldg., 9F,
1-6-4 Kyomachibori, Nishi-ku,
Osaka 550-0003, Japan
TEL +81-6-6479-6000
FAX +81-6-6479-6010



Central Japan Sales

Pacific Square Nagoya Nishiki 5F,
2-5-12, Nishiki, Naka-ku,
Nagoya 460-0003, Japan
TEL +81-52-203-4821
FAX +81-52-203-4823



East Japan Sales

Sanshoku Bldg. 2-1-24,
Kamiochiai, Chuo-ku, Saitama
City, Saitama 338-0001, Japan
TEL +81-48-615-4100
FAX +81-48-615-4101



Overseas bases

Shibaura Electronics
Europe GmbH

Shibaura Electronics Korea Co., Ltd.

Shanghai Shibaura Electronics Co., Ltd.

Dongguan Shibaura Electronics Co., Ltd.

Shibaura Electronics Hong Kong Co., Ltd.

Thai Shibaura
Denshi Co., Ltd.

Shibaura Electronics of
America Corporation



Dongguan Shibaura Electronics Co., Ltd.



Shanghai Shibaura Electronics Co., Ltd.



Thai Shibaura Denshi Co., Ltd.



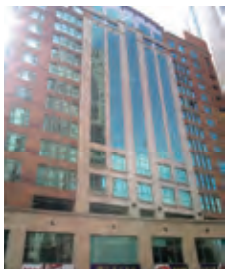
Shibaura Electronics
Korea Co., Ltd.



Shibaura Electronics Europe GmbH



Shibaura Electronics of America Corporation



Shibaura Electronics Hong Kong
Co., Ltd.

Overseas Manufacturing Sites

Dongguan Shibaura Electronics Co., Ltd.

No.21, Shang Xin-Rd., Xinan,
Changan Town, Dongguan,
Guangdong, China
TEL +86-769-85412371
FAX +86-769-85412370
ISO9001, ISO14001 certified

Shanghai Shibaura Electronics Co., Ltd.

88 Changxu Rd, Juyuan Subdistrict,
Jiading, Shanghai, China
TEL +86-21-5916-7387
FAX +86-21-5916-7087
ISO9001, ISO14001 certified

Thai Shibaura Denshi Co., Ltd.

Indra Industrial Park
51 Moo 3, Tambol Namtan, Amphur Inburi,
Singburi, Thailand 16110
TEL +66-36-812-870
FAX +66-36-812-871
ISO9001, ISO14001 certified
IATF16949 certified*
(*for automotive applications only)

Overseas Sales Offices

Shibaura Electronics Korea Co., Ltd.

1205-546, 67 Yeouinaru-ro, Yeongdeungpo-gu,
Seoul, Korea
TEL +82-2-6346-0511~2
FAX +82-2-6346-0513

Overseas Sales

Sanshoku Bldg. 2-1-24, Kamiyochi, Chuo-ku,
Saitama City, Saitama 338-0001, Japan
TEL +81-48-615-4200
FAX +81-48-615-4201

Shibaura Electronics Europe GmbH

Trimburgstrasse 2, 81249 Munich, Germany
TEL +49-89-8403-9034
FAX +49-89-8946-0749

Shibaura Electronics Hong Kong Co., Ltd.

Room801,8/F,Grand City Plaza,
1-17 SaiLau KokRoad,Tsuen Wan, N.T.HongKong
TEL +85-2-2377-1678
FAX +85-2-2376-3361

Shibaura Electronics of America Corporation

39555 Orchard Hill Place, Suite 435, Novi,
MI 48375, USA
TEL +1-248-504-6090
FAX +1-248-939-8055

History

History

Transitioned from the JASDAQ Standard to the Standard Market in response to the restructuring of market segments on the Tokyo Stock Exchange	2022	
Iwate Shibaura Electronics Co., Ltd. absorbed Miharu Electronics Co., Ltd.	2020	
Sannohe Shibaura Electronics Co., Ltd. renamed itself Aomori Shibaura Electronics Co., Ltd.	2018	
Established Shibaura Electronics of America Corporation (USA)	2015	
Iwate Shibaura Electronics Co., Ltd. absorbed Ichinohe Shibaura Electronics Co., Ltd.	2014	Non-contact temperature sensor for fusing machines, Square type fluoroplastic-processed temperature sensor
Relocated Head Office and Urawa Sales Office (Chuo-ku, Saitama City, Saitama) Listed on the JASDAQ Securities Exchange (currently the Tokyo Stock Exchange, JASDAQ Standard Market)	2013	
Established Shibaura Electronics Europe GmbH (Germany)	2012	
Relocated Urawa Sales Office (Chuo-ku, Saitama City, Saitama)	2011	Integrated temperature and pressure sensor, Infrared temperature sensor for fusing machines Temperature sensor for high-pressure hydrogen tanks
	2010	Double temperature sensor for water heaters
	2009	Side temperature sensor for fusing machines, Temperature sensor for IH cooking heaters
	2008	Thermistor element PSB-S2, Thermistor element for high temperature range UH1
	2006	Thermistor element for high temperature range UH2 Thermistor element for wide temperature range PL Series
	2004	Vehicle exhaust gas temperature sensor
Acquired ISO14001 certification Established Shibaura Electronics Korea Co., Ltd. (Korea)	2003	Thermistor element PSB-S9, Non-contact and contact type sensors using PSB-S9 Absolute Humidity Sensors HS-13 and DH-5
Established Shibaura Electronics Hong Kong Co., Ltd. (Hong Kong) ISO9001 certification acquired	2001	
Started technical partnership with EPCOS AG	2000	High temperature contact-type temperature sensor for fusing machines High response contact-type temperature sensor for fusing machines
	1999	Absolute humidity sensor DH-4
	1998	Absolute humidity sensor DH-1
Established Dongguan Shibaura Electronics Co., Ltd. (China) Established Shanghai Shibaura Electronics Co., Ltd. (China)	1997	Temperature sensors for automotive motor coils Chip thermistor elements 1005, 1608 and EM2
Established Siam Sensing Device Manufacturing Co., Ltd. (now Thai Shibaura Denshi Co., Ltd.)(Thailand) Changed company name to SHIBAURA ELECTRONICS CO., LTD.	1996	Digital thermometer (MD-100) Absolute humidity sensor (HS-11)
Established Sannohe Shibaura Electronics Co., Ltd. (now Aomori Shibaura Electronics Co., Ltd.)	1995	Multi-hygrometer (SM-380)
Established Kakunodate Shibaura Electronics Co., Ltd.	1994	Thermistor element RB1, Fast response water temperature sensor
Established Miharu Electronics Limited Private Company (later renamed as Miharu Electronics Co., Ltd.)	1992	Highly durable NS thermistor element, NS thermistor element for high temperatures Chip thermistor element KG
Established Noda Limited Private Company (later renamed as Ichinohe Shibaura Electronics Co., Ltd.)	1991	Radiosonde temperature sensor, Temperature controller for germinators and seedling incubators C309A
	1990	High precision thermistor element PSB-H, Chip thermistor element G PSB-H high precision thermistor element, Resin-sealed temperature sensor KT
	1989	Chip thermistor element LLT, Thermistor element PSB-N3 Thermistor level sensor C-118, Chlorofluorocarbon level sensor
	1988	Thermistor element PSB-A, Absolute humidity sensors with amplifier HSA-1H and 2H Micro axial thermistor element PSB-A, Chip thermistor element C-3216
	1987	Level sensor, CO2 sensor, Air flow sensor F6201-1, Multi-point anemometer F6204
	1986	Thermistor element PSB-55
Registered as an over-the-counter company at Japan Securities Dealers Association Established Fukushima Shibaura Electronics Co., Ltd.	1985	Thermistor element PSB-S7, Absolute humidity sensor unit CHS-1, Water activity meter WA-360 Thermistor element for mid-level temperature PMH, Hermetic-type temperature sensor
Relocated Nagoya Sales Office (Nishiki, Naka-ku, Nagoya City, Aichi)	1984	Large temperature and humidity display device SM-5904
	1983	Linear temperature convertor, Humidity sensor for microwave ovens, Multi-hygrometer SM-360 Digital anemometer DA-300
Opened Urawa Sales Office (Urawa City, Saitama: now Saitama City) Integrated Tokyo Sales Office with Urawa Sales Office	1982	Temperature sensor for instantaneous water heaters, Alcohol compensator for water activity meters Bar graph thermometer
	1981	Water activity meter WA-350, Neo-thermys
Relocated Tokyo Sales Office (Ikebukuro, Toshima-ku, Tokyo) Opened Nagoya Sales Office (Marunouchi, Naka-ku, Nagoya City, Aichi)	1980	Absolute humidity controller, Multi-point digital anemometer Differential temperature thermometer for solar systems C-5445 Dew point meter SM-312, Humidity mixing ratio meter SM-330
Relocated Osaka Sales Office (Higashi-ku, (current Chuo-ku) Osaka City, Osaka)	1979	Absolute humidity sensor and hygrometer, Temperature sensor for kerosene heaters
	1978	Soft touch sensor for fuser rollers in copying machines, Portable digital thermometer TD-210
	1976	Meat probe for microwave ovens, Temperature controllers C-23, C-33, C-311, C-312 and C-170 Liquefied petroleum gas leak alarm, FC-sealed and PVC-capped thermistor sensors
	1975	Temperature control unit SG-100, Thermistor element PSB-N
Established Iwate Shibaura Electronics Co., Ltd.	1973	Linear thermistor
	1972	Thermistor element PSB for measurements (started mass production and penetrated into home appliances market)
Tohoku Shibaura Electronics Co., Ltd. was visited by Their Imperial Highnesses Prince and Princess Hitachinomiya	1971	High temperature thermometer MGAIII-900, High temperature anemometer F-85 Thermal pen type recorder MS2
	1970	Simplified temperature controller C-200
Established Tohoku Shibaura Electronics Co., Ltd.	1969	Temperature controller C-168, Thread-in type thermistor sensor, Thermometer and temperature sensors for silos
	1967	Silicon rectifier
	1966	Silicone varistor for telephones, Silicone diodes
	1964	Observation equipment for temperature difference inversion layers, Temperature sensor for testers (thermy)
Relocated Head Office/Factory(Urawa City, Saitama: now Saitama City) Opened Tokyo Sales Office (Iidabashi, Chiyoda-ku, Tokyo) Opened Osaka Sales Office (Naniwa-ku, Osaka City, Osaka)	1963	
	1962	
	1961	n-type compatible thermistor, Thermistor anemometer
Kawaguchi Factory started operation (in Kawaguchi City, Saitama)	1960	
Relocated Head Office (Maeno-cho, Itabashi-ku, Tokyo) Reorganized the company into Shibaura Electronics Co., Ltd.	1959	
Relocated to newly built Head Office (Sekiguchi-cho, Bunkyo-ku, Tokyo)	1956	
Reorganized the company into Shibaura Electronics Limited Private Company	1954	Bead type thermistor, Thermistor thermometer
Founded as a manufacturer of copper suboxide rectifiers and other thermistors and SiC varistors (Iwabuchi-machi, Kita-ku, Tokyo)	1953	Thermistors for use in measurement, Varistors, Cuprous oxide rectifier

Development and Sales of New Products