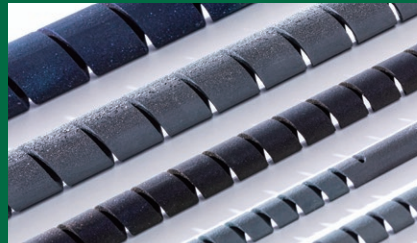


Always aiming for the best



**We aim to leverage our unique technologies
to be your best partner in the fine ceramics industry.
We provide products to support your development
from a global perspective.**

Tokai Konetsu Kogyo has continued to operate through the changing times with a focus on heating elements, industrial furnaces and heating equipment while also developing new products to open new doors. The fields that we serve have also changed significantly according to the changes in our lifestyles. At present, businesses must take action to protect the global environment. This has made it difficult to contribute to the future society without breaking away from the conventional corporate management and taking a new perspective.

As a pioneer in the field of high-temperature applications, we have built a track record in a wide range of industries though many years of operation. We are expanding the technologies we have cultivated to the fields of energy, environmental conservation and next-generation communications. We will celebrate our 100th anniversary in 2036. Instead of resting on our laurels, we will work to lay new foundations with the belief that we should pass down the technologies that we have cultivated, the trust we have earned from our customers and the single-minded commitment of our people to people over the next 100 years.

While initiatives to build a sustainable society are becoming important criteria in the evaluation of companies, Tokai Konetsu Kogyo Group, a member of the Tokai Carbon Group, will take on challenges bravely and promptly to respond to major changes in society and cater society's needs to continue to contribute to society. We look forward to your continued support of Tokai Konetsu Kogyo, which continues to work to achieve major goals.



President
Akihiko Sato



Philosophy

Supported by the trust of our customers, employees and society, and acting in compliance with our guiding principles of fair activities, harmony with the environment, and internationality, we will fully leverage our management resources to offer optimal products and contribute to the development of society.

Posture & Vision

Challenge

We continue to leverage the technologies that we have cultivated to enter new fields. We also take on challenges to develop advanced products instead of only manufacturing the same products all the time. These challenges include the development of environmentally friendly products, including products with high energy efficiency and recyclable products.

Diversity

We aim to develop an open corporate culture where employees are free to express their opinions. By applying various perspectives and ways of thinking, we will develop the diversity of the company as a leading manufacturer of industrial furnaces, heating equipment and heating elements.

Reliability

We believe that we have earned a great deal of trust thanks to the experience and knowledge we have acquired over many years of devotion to the field of high-temperature applications. We are also striving to be a company that gains reliability by advancing technologies.



EREMA heating elements

Composed of high-purity silicon carbide (SiC), EREMA heating elements are the first silicon carbide heating elements marketed in Japan. Since we made them commercially available in 1927, we have been committed to research based on our wealth of experience, striving to improve their quality using our unique development technologies and other internal and external technologies. Now, we have been highly regarded for our production scale, which is the largest in the industry and our products, which are of the highest quality in the field.



Industrial furnaces and heating equipment

Industrial furnaces and heating equipment, which are also referred as electric furnaces or combustion furnaces, are used for heating, sintering, dissolving and thermally treating ceramics, electronic components, metals, glass, powders and other materials at specific temperatures. We have an extensive track record in the design and manufacturing of industrial furnaces and heating equipment, etc. for heat treatment. We also have advanced composite technologies as a comprehensive manufacturer of heating elements and refractories, which are necessary for industrial furnaces and heating equipment. With our track record and these technologies, we supply products ranging from small testing furnaces to large industrial furnaces for customers in every field.



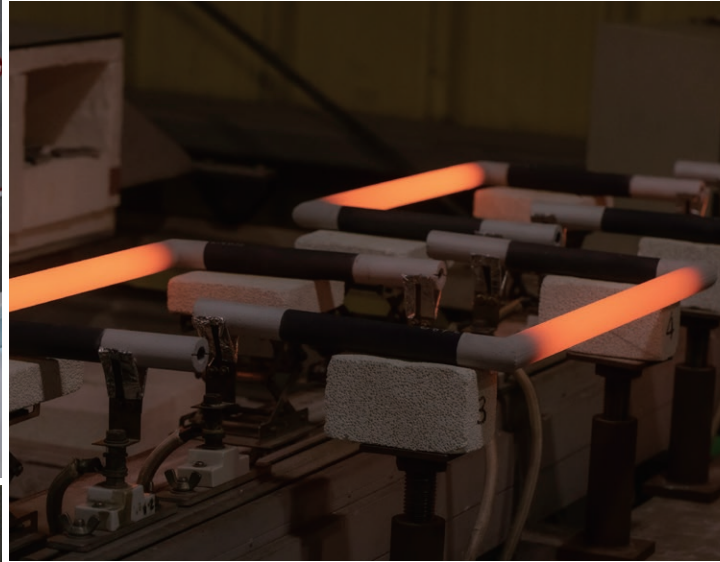
EREMA ceramic resistors

Since 1961, we have been involved in the manufacturing and sale of ceramic resistors, contributing to the improvement of technologies and performance in a wide range of fields including electric power, communications and healthcare. EREMA resistors are ceramic resistors sintered at a high temperature. They are therefore optimal for circuits which must be highly reliable under extreme conditions.

RECRYTE

RECRYTE is the trade name of our SiC ceramic high-temperature materials. Our lineup includes recrystallized, reaction-sintered and pressure less-sintered materials designed to be used safely in high temperature environments.





Shipping inspection process

— To maintain the high quality of our products —

All EREMA heating elements are inspected before shipping.

In addition, we dispatch our engineers to customers' sites where our industrial furnaces or heating equipment is installed. They work on-site until it is confirmed that the installed furnace or equipment is operational. We are continuing to work steadily to earn the trust of our customers.

■ Head Office

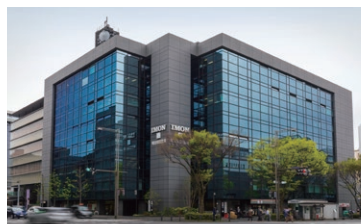
Aoyama Bldg. 3F
1-2-3 Kitaaooyama Minato-ku Tokyo 107-0061 Japan
TEL: (+81)3-5772-8211 FAX: (+81)3-5772-8265



JQA-QMA14341
Industrial Furnace Div.

■ Kyoto Branch Office

Imon Meiji Yasuda Seimei Bldg. 3F
566-1 Toraya-cho Karasuma-Oike Sagaru
Nakagyo-ku Kyoto 604-8171 Japan
TEL: +81-75-253-6211



■ Sendai Plant

34-1 Sano Nakanomyo Shibata-machi Shibata-gun
Miyagi 989-1612 Japan
TEL: +81-224-54-2427

This company manufactures products including EREMA heating elements, RECRYTE (SiC ceramic high-temperature materials), and EREMA ceramic resistors.



JQA-2026
Sendai Plant

■ Sendai Laboratory

194-2 Shin-Ohara Kaminomyoshin Shibata-machi
Shibata-gun Miyagi 989-1611 Japan
TEL: +81-224-54-2426

■ Shiga Laboratory

705 Chokoji-cho Omihachiman-shi Shiga 523-0013 Japan
TEL: +81-748-37-2114
(in Tokai Konetsu Engineering Co., Ltd.)

Group companies

● Tokai Konetsu Engineering Co., Ltd.

705 Chokoji-cho Omihachiman-shi Shiga 523-0013 Japan
TEL: +81-748-37-2014

This company designs and manufactures industrial furnaces and heating equipment, including various electric and gas furnaces for industrial use, as well as automatic controllers and conveying equipment.



● Shanghai Tokai Konetsu Co., Ltd.

No.878 Boxuenan Road Malu Jiading
Shanghai China

This company manufactures and sells heating elements and high-temperature materials.



● Tokai Konetsu (Suzhou) Co., Ltd.

No.569 Fangqiao Road
A2 Aviation Industrial Park Cao Lake Industrial Park
Xiangcheng Economic Development Area Suzhou Jiangsu China

This company manufactures and sells industrial furnaces and heating equipment.



Environmental Policy

Understanding that the protection of the global environment is essential for the survival of the human race and important for the continuity of corporate activities, we push forward with efforts to protect the environment as an important element of all management activities.

1. Push forward efforts to protect the environment and prevent pollution.

We continuously improve our environmental management system based on the ISO 14001 standard, strive to achieve the SDGs and carbon neutrality, working on green procurement and building a sustainable society.

2. Push forward with the efficient use of resources and energy.

We strive to reduce environmental impact by reducing energy consumption and industrial waste.

3. Provide environmentally friendly products.

We improve and develop products in ways that help protect the global environment.

4. Comply with environmental laws, regulations, etc.

We ensure that we comply with environmental laws, ordinances and other requirements that we have agreed to, and set voluntary standards as necessary.

We disseminate this environmental policy across the company, to each of our employees and other related people. We also disclose it to the public.

Acquisition of ISO 14001 Environmental Management System Certification

Effective on December 17, 2004, Tokai Konetsu Kogyo Co., Ltd. acquired ISO 14001 Environmental Management System Certification from the Japan Quality Assurance Organization (JQA). We see the acquisition of this certification as an opportunity to continue efforts to improve our environmental management system to carry out corporate activities that are even more considerate of the environment.

Registration number: JQA-EM4429

Acquisition date: December 17, 2004

Registered business establishments:
Head office, branch office, Sendai Plant
Tokai Konetsu Engineering Co., Ltd.



JQA-EM4429

Certification body: Japan Quality Assurance Organization (JQA)



Company Profile

Gain trust and build 100 years

Tokai Konetsu Kogyo will celebrate its 100th anniversary in 2036.

Trade Name TOKAI KONETSU KOGYO CO., LTD.

Address Aoyama Bldg. 3F
1-2-3 Kitaayama Minato-ku Tokyo 107-0061 Japan
TEL: (+81)3-5772-8211 FAX: (+81)3-5772-8265

Established February 25, 1936

Capital 1.4 billion yen

Business

- Manufacturing and sale of non-metal heating elements and resistors
- Manufacturing and sale of electric and chemical industrial products including SiC and fused alumina
- Manufacturing and sale of refractory bricks and other ceramic products
- Manufacturing, sale and engineering of industrial furnaces, heating equipment and ancillary equipment
- Installation of machines and appliances
- Tile, brick and block work
- Any and all businesses incidental or related to any of the abovementioned business.

Business establishments

Head office : Tokyo
Branch office : Kyoto
Plant : Sendai
Laboratory : Sendai and Shiga



History

- 1936 Tokyoku Kogyo Co., Ltd. is established with capital of ¥500,000 as a sister company of Tokai Carbon Co., Ltd. (former Tokai Electrode Manufacturing Co., Ltd.) for the research and manufacturing of refractory bricks.
- 1938 Tokyoku Kogyo Co., Ltd. is renamed Tokyoku Sangyo Co., Ltd., establishes the Nagoya Plant, and starts manufacturing refractory bricks.
- 1946 Tokyoku Sangyo Co., Ltd. is renamed Tokai Konetsu Kogyo Co., Ltd. (hereafter, the "Company").
- 1947 The Company obtains the rights to manufacture and sell EREMA SiC heating elements and EREMA ceramic resistors and starts manufacturing at the Nagoya Plant.
The Company establishes the Kyoto Plant and starts manufacturing EREMA electric furnaces, DIALITE (SiC refractories), and DALMITE (fused alumina refractories).
- 1961 The Company forms a technical tie-up with Carborundum Abrasives Co. of the United States for SiC heating elements and ceramic resistors. The Company is listed on the Second Section of Tokyo Stock Exchange and the Nagoya Stock Exchange.
- 1964 The Company establishes the Sendai Plant in Shibata-machi, Miyagi, and starts manufacturing ceramic resistors.
- 1968 The Company starts manufacturing protection tubes at the Nagoya Plant.
- 1971 The Company starts manufacturing catalyst carrier production at the Nagoya Plant.
- 1976 The Company starts manufacturing gas combustion furnaces at the Kyoto Plant.
- 1977 The Company starts manufacturing silicon nitride-bonded SiC refractories at the Kyoto Plant.
- 1983 The Company starts manufacturing RECRYTE (SiC ceramic high-temperature materials) at the Kyoto Plant.
- 1985 The Company starts production of pressure degreasing furnaces and vacuum gas replacement ultra-high temperature furnaces at the Kyoto Plant.
- 1986 The Company celebrates its 50th anniversary and relocates its head office from Kanda to Shinjuku.
- 1988 The Company starts manufacturing far-infrared heating elements at the Sendai Plant.
- 1991 The Company forms a technical tie-up with ULVAC, Inc. for vacuum heat treatment furnaces.
- 1994 The Company demerges its industrial furnace and heating equipment manufacturing division and establishes TK Engineering Co., Ltd.
- 1995 TK Engineering Co., Ltd. starts mass production of multilayer ceramic capacitor firing furnaces.
- 1997 The Company acquires ISO 9001 certification for EREMA SiC heating elements, RECRYTE, and catalyst carriers.
The Company establishes Shanghai Tokan Ceramics Co., Ltd. as a base for heating element and high-temperature material production, in a joint venture with Kanthal of Germany.
- 1999 Shanghai Tokan Ceramics Co., Ltd. starts manufacturing heating elements. The Company dissolves the joint venture with Kanthal, and as a result, Shanghai Tokan Ceramics Co., Ltd. becomes the Company's wholly owned subsidiary.
- 2003 The Company merges with and absorbs TK Engineering Co., Ltd., closes sales offices in Kyushu and Sendai, and establishes the Kyoto Branch Office. The Company relocates its head office from Shinjuku to Ueno and delists its stock from the Nagoya Stock Exchange.
- 2004 Shanghai Tokan Ceramics Co., Ltd. is renamed Shanghai Tokai Konetsu Co., Ltd. ISO 14001 certification is acquired by the whole company.
- 2005 The EREMA SiC heating element manufacturing division is transferred to the Sendai Plant. The Nagoya Plant is renamed the Tokai Konetsu Techno Center, an integrated research center. The industrial furnace and heating equipment manufacturing division is transferred from the Kyoto Plant to the Tokai Konetsu Techno Center. (The Kyoto Plant is closed.)
- 2006 The Company becomes a wholly owned subsidiary of Tokai Carbon Co., Ltd. under a share exchange agreement and delists its stock from the Tokyo Stock Exchange.
- 2007 The Company extends the scope of its ISO 9001 certification for EREMA ceramic resistors.
Shanghai Tokai Konetsu Co., Ltd. acquires ISO 9001 certification.
- 2008 The Company starts manufacturing RECRYTE TN (silicon nitride sintered component) at the Sendai Plant.
- 2009 The RECRYTE manufacturing division is transferred to the Sendai Plant.
- 2010 The Company extends the scope of its ISO 9001 certification for RECRYTE and RECRYTE TN.
- 2011 The Company acquires ISO 9001 certification for industrial furnaces and heating equipment.
- 2013 The Company establishes Tokai Konetsu (Suzhou) Co., Ltd., a joint venture with HUIKE (China), as a base for manufacturing industrial furnaces and heating equipment.
- 2014 The industrial furnace and heating equipment manufacturing division is transferred to Tokai Konetsu Engineering Co., Ltd. (The Tokai Konetsu Techno Center is closed.)
- 2016 The Company discontinues manufacturing of RECRYTE TN (silicon nitride sintered components).
- 2018 The Company relocates its head office from Ueno to Aoyama.

 **TOKAI KONETSU KOGYO CO., LTD.**

https://www.tokaikonetsu.co.jp/english/index_en.html

