

TOTOKU

CORPORATE PROFILE

We harness our technologies so that we can be at the forefront internationally, developing unique products that dominate their markets and becoming a company that is valued worldwide.

DEVELOPMENT TECHNOLOGY

TOTOKU continues to pursue the creation of originality.

TOTOKU aims to be an "Engineering Development Company" that continuously creates "New Global Standards." We have endeavored to create new value through the application and combination of proprietary technologies nurtured around electronic components, devices and equipment, as well as in the development of materials since the Company was founded. Our innovative efforts will continue to produce distinctive, original products by meeting the challenges in advanced technology toward the next leap forward.

QUALITY

Our commitment to quality assurance has led to deep trust among our customers.

Since its inception in 1940, TOTOKU has consistently pursued high quality.

We strive to enhance our quality to adapt our products to customer requests at our production sites based on the ISO 9001 Quality Management System in Japan and overseas.

ENVIRONMENT

TOTOKU is actively committed to environment-friendly measures in its operations.

To promote environmental preservation on a global scale, the demand for eco-conscious materials and products has risen rapidly in recent years. TOTOKU focuses its environmental efforts not only on the reduction of energy consumption at its factories and the recycling of resources but also on green procurement and the development of products that will help reduce the environmental load, with continuous improvement in ISO 14001 Environmental Management System.

CORPORATE HISTORY

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| 1940 | Company established in Tokyo for the manufacture and sale of resistance wires and other types of wires. | 2011 | Started sales of the low-loss coil/transformer.
Developed the contact probes with conductor diameter of 20 μ m for electricity inspection of electronic device. |
| 1943 | Moved the Factory in Nagano Prefecture. | 2013 | Commercialized the RUOTA high-performance coaxial cable.
Set up TTI LAGUNA PHILIPPINES, INC. in the Philippines. |
| 1958 | Developed the heater wire for electric blankets. | 2015 | Started sales of the NF Auto Heater GSL Type of the anti-icing heaters for water pipes. |
| 1961 | Set up Ueda factory in Nagano Prefecture.
Started the production of telecommunication cables. | 2016 | Developed the extra fine diameter USB 3.1 Type C cable (introducing the RUOTA). |
| 1979 | Started the production of the water pipe heater with automatic temperature control function. | 2017 | Developed a high-performance coaxial flat cable that uses RUOTA. |
| 1996 | Set up PT. TOTOKU INDONESIA. | 2018 | Developed a flexible flat cable (LEAFCONN H) for high-speed signal transmission.
Developed a high frequency IC measuring tool. |
| 2003 | Set up TOTOKU (ZHEJIANG) CO., LTD. in China. | 2022 | Developed a contact probe for electronic component inspection with a diameter of 15 μ m of world's smallest diameter level. |
| 2008 | Commercialized the flexible flat cable harness for the transmission of high-speed digital signals.
Commercialized the super fine contact-probe. | 2023 | Became a subsidiary of The Carlyle group.
Company name changed TOTOKU ELECTRIC Co., Ltd. to TOTOKU INC. |
| 2009 | Relocated the head office from Shinjuku-ku to Minato-ku, Tokyo.
Developed the low loss type TIW (triple insulated winding wire). | | |

Telecommunications Cable



- Data Cable
- Large-Capacity Telecommunications Cable
- Highly Bendable Cable
- Environmentally Friendly Electric Wire
- Electric Wire for Equipment

TOTOKU offers a lineup of cables which are compatible with communications networks which require high reliability, such as the networks of public institutions, and cables which endure harsh environments with complicated operations. Environmentally friendly electric wires are also included in the lineup.

Heater Products



NF Auto Heater GSL type

- Heater Wire
 - Vinyl chloride heater wire
 - Silicon rubber heater wire
 - Fluorine resin heater wire
- NF Auto Heater
- Heater Application Products

TOTOKU engages in the integrated production of heater wires from raw materials to application products. The heater wires include those used for on-vehicle seats, electric blankets, refrigerators, toilet seats, and health appliances. TOTOKU also provides products for self-regulated, anti-icing heaters for water pipes and hot-water pipes (NF Auto Heater).

Suspension Wire *Whiscut*



- Standard Conductors
 - Beryllium-free alloy
 - Beryllium copper
 - Phosphor bronze
- Surface Treatment
 - Gold, silver, tin, etc.

These wires are widely used to support optical parts such as optical pickups for DVD and camera modules. Efforts are in progress to make these wires extra fine for use with built-in smartphone cameras, etc. TOTOKU provides high-precision products with outstanding bondability and straightness.

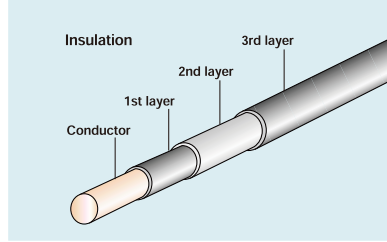
Contact-Probe



- Plating
 - Nickel + Gold
- Insulating Body
 - Teflon urethane

TOTOKU provides the extra fine high-precision Wire-type Contact Probe for testing electronic components with narrow-pitch-wired electrodes, which was developed by combining extra fine wire straightening technology and surface treatment and insulation processing technologies with newly developed terminal fine-processing technology.

Triple Insulated Winding Wire (TOTOKUTIW)



TOTOKUTIW

- Triple Tape-Wound Type
- Triple Fluorine Extrusion Type
- Low-Loss Type

These are tape-wound, triple insulated winding wires (wires with reinforced insulation) developed with TOTOKU's unique technology that is optimal for downsizing transformers used for power supply equipment. TOTOKU offers products which satisfy various needs including a heat resistance grade and high-frequency, low-loss properties.

High-Performance Coaxial Cable



- High-Performance Coaxial Cable (RUOTA)
- Differential Signal Transmission Cable
- Extra fine Coaxial Cable

By applying its unique technologies, TOTOKU has developed a high-performance coaxial cable (RUOTA) with features including high-frequency compatibility, mechanical strength, and heat resistance, enabling the high-speed transmission of large-volume data. The cable is provided for a wide range of fields including automobiles, industrial equipment, and medical equipment.

Microwave Coaxial Cable Assembly



- Microwave Coaxial Cable Assembly
- Multi Port Cable Connector Assembly with very narrow pitch

To respond to the higher frequency that results from the growing demand for information and telecommunications, TOTOKU has developed coaxial cable assemblies that are compatible with DC to 110 GHz. The products are used widely for high-frequency measuring instruments, satellite/ high-frequency communications, high-performance radars, and others. In addition, multi port cable connector assembly with very narrow pitch that are compatible with DC to 67 GHz are contributing to improving the efficiency of the development of IC chips, etc.

Extra Fine Alloy Wire



- Copper alloy wire containing silver
- Copper alloy wire containing tin
- Other copper alloy wire
- Aluminum wire
- Surface treatment
 - Silver plating
 - Nickel plating
 - Tin plating

TOTOKU provides products with features such as heat-resistance and high frequency compatibility by drawing high-tensile alloy wires and aluminum wires from 0.03 mm to 0.10 mm in thickness and applying surface treatment to them. TOTOKU also processes the wires into stranded wires or compressed stranded wires, which are used as conductors for microwave cables.

Company Name TOTOKU INC.
Date of Foundation November 22, 1940
Representative Ken Maki, President
Capital JPY 6,700 million
Business Manufacture and sale of cables, electric wire finishing products,
electronic components

Web Site <https://www.totoku.co.jp/>
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■ Related Companies

TOTOKU (ZHEJIANG) CO., LTD. (Zhejiang, China)
PT. TOTOKU INDONESIA (Purwakarta, Indonesia)
TTI LAGUNA PHILIPPINES INC. (Laguna, Philippines)
TOKUDENPROSELL CO., LTD. (Gunma Pref.)
TOKUDEN CO., LTD. (Nagano Pref.)

■ Distributors

SOLEKIA LTD. (Tokyo)
SHIBATA CO., LTD. (Tokyo)
TOTOKU UEDA HANBAITEN CO., LTD. (Nagano Pref.)

