Propelling the Times Forward through Advanced Creativity

TAIYO YUDEN is an electronic components manufacturer that was founded in 1950. We are engaged in research and development, production, and sales of various electronic components such as capacitors, inductors, and SAW/SAW devices, and are expanding our business globally.

To provide products that meet the needs of our customers and society, we firmly believe in creating products starting from the development of materials. As a result, our products have been highly rated in a wide range of fields, including electronic devices such as smartphones and tablets, automobiles which are rapidly being transformed by IT and electronics technology, and information infrastructure and industrial equipment.

As stated in our management philosophy, TAIYO YUDEN is committed to building mutually beneficial relationships with our stakeholders. With our advanced technological capabilities and “wonders of science” that we have cultivated since our founding, we are supporting the evolution of electronics technology, which is indispensable for people’s safe, secure, comfortable, and convenient lives.

We sincerely appreciate your continued support.

Mission

Stronger and more socially aware through the wonders of science

Management philosophy

Employee well-being
Betterment of local communities
Responsibility to provide returns to shareholders

Vision

To be an excellent company that enjoys the trust and highest regard from all stakeholders
Mastering electronic components
with inimitable technology

TAIYO YUDEN has continued to develop and manufacture capacitors as the company’s main product since its foundation. Our smaller, thinner, high-capacity, and highly-reliable multilayer ceramic capacitors (MLCC) play a major role behind the scenes as components indispensable to the electronic devices that we all use in everyday life. It is our material and lamination technologies, cultivated in the process of MLCC advancement, which form the nucleus of TAIYO YUDEN’s superior technical skills, and they are widely applied also to the development and manufacturing of electronic components besides MLCC.

### Material technology

Inspirational company name, dielectric (Japanese yuden) materials play a key role in determining MLCC features and barium titanate is mainly used at the moment. TAIYO YUDEN is a rare MLCC manufacturer in that we make full use of sophisticated technology, such as synthesizing raw materials and particle control, to develop materials by ourselves. TAIYO YUDEN continues to this day to uphold the principle of the founder that the “commercialization of products should start from the development of materials.”

### Lamination technology (Processing technology)

We have continued to make MLCCs smaller but with higher capacity helping the further miniaturization and functionality of electronic devices. The amount of electricity stored by an MLCC increases depending on the dielectric layers, so lamination technology, which examines how many layers thinned to the maximum can be piled up precisely, is the key to miniaturization and capacity enlargement. TAIYO YUDEN has sophisticated this technology and realized laminate structures of 1,000 or more layers in a tiny MLCC just a few millimeters tall.
Excelling in all areas of society

Supporting the advancement of electronic devices, TAIYO YUDEN’s products and solutions are utilized in many areas of society and the value provided by them continues to grow in scope.

Business Domain

TAIYO YUDEN’s Business Domain

Automobiles

As the computational and electrification of cars advances, the number of electronic components used in a single car is continuing to increase. TAIYO YUDEN provides electronic components that satisfy the high-reliability demands of the automobile market, and supports the future of mobility and cars where “CASE” is constantly transforming.

*Your imagination that express mobility innovations = CASE (Connected, Autonomous, Electric, Shared & Services, and Electric)

- Advanced Driving Assistance Systems (ADAS)
- Mirror cluster
- Electronic control unit

Communication equipment

Smartphones are becoming increasingly sophisticated and multifunctional to match the further advancement and function- ality of communication technology including 5G transition. TAIYO YUDEN has been highly praised for contributing to space-saving design by offering small and high-performance leading-edge electronic components.

- Smartphones

IT Infrastructure / Industrial equipment

In line with the spread of the 5th Generation Mobile Communications System (5G), the development of information infrastructures, such as base station communication equipment or servers that handle the high-speed transmission of large volumes of data, is progressing at a great pace. The electrification of industrial equipment is also advancing and the growth of the medical sector and robot market cannot be overlooked.

- Base station communication equipment
- Servers
- Security cameras

Information equipment

TAIYO YUDEN’s electronic components are widely applied to the electronic equipment that we use in our everyday lives including information equipment such as PCs and tablets and consumer products like TVs, game machines, and smart watches.

- Tablets
- PCs
- SSD
- Game consoles
- Smart watches
Exceeding electronic component expectations and ideals

We have a wide and varied lineup of industry-leading electronic components that harness the advanced technical strengths of TAIYO YUDEN. These range from increasingly small and high-capacity multilayer ceramic capacitors to small and high current power inductors, and high-performance mobile communications devices.
Picturing a sustainable future

SDGs (sustainable development goals) were selected at the United Nations of 2015 as joint goals of the international community. To achieve some of those goals aiming for a prosperous and vigorous future, TAIYO YUDEN has been taking concrete action by, for example, working to reduce its environmental footprint and developing and supplying products and providing solutions that help to tackle social problems.

### SDGs Case Study

**Reducing energy through miniaturization of electronic components**

As a main product of TAIYO YUDEN, we are conducting research on a daily basis to further miniaturize while increasing the functionality of multilayer ceramic capacitors (MLCCs). There is a growing need for MLCCs to evolve in concert with the increasing miniaturization, functionality and power-saving qualities of electronic devices.

While supporting the advancement of electronic technology by miniaturizing MLCCs, TAIYO YUDEN has been striving to make a social contribution by cutting the amount of used raw materials and packaging materials and the amount of energy used for production and transportation.

**Efforts to reduce GHG emissions**

In order to realize carbon neutrality by 2050, TAIYO YUDEN has set a mid-term goal to reduce GHG emissions. To achieve this goal, we are endorsing the TCFD (Task Force on Climate-related Financial Disclosures) recommendations and disclosing information in line with TCFD recommendations based on the implementation of energy conservation, energy creation, and energy recovery, and we are also installing solar panels at domestic and overseas sites, etc. We will convert 100% of the electricity used at the R&D Center to renewable energy from the 2024 fiscal year.
Global development, production and supply systems

The TAIYO YUDEN Group has built a network of global bases covering Japan and other parts of Asia, as well as North America and Europe. Building an integrated system to cover all processes from the development to the production and sale of electronic components means that we can expedite and flexibly meet customers’ requests.
Source of creating countless “world firsts”

Since our founding, research and development (R&D) have formed the basis of TAIYO YUDEN's growth as a company with the long-term principle of creating new products from the material development stage. Technological innovation by R&D is seen as the source of creating the TAIYO YUDEN Group's future and we are actively working to create key products and new business. In addition, our research covers topics from material development to the domain of manufacturing process technology which determines product performance, and we are constantly aiming to innovate further.

“Smart product” development system

TAIYO YUDEN is actively seeking to develop products that are not only environmentally-conscious, but also cut the JMDs (Japanese: “mujk”, “mura”, and “muri” – translated as “wastefulness”, “inconsistency” and “overburden”) in the entire product lifecycle spanning from design to manufacture, sales, installation in the end product, and disposal. Such products are defined as ‘smart products.’ We firmly believe that realizing an even higher level of smart products through R&D will lead us to “become an excellent company that enjoys the trust and highest regard from all stakeholders.”

To be an excellent company that enjoys the trust and highest regard from all stakeholders

Smart products

- High quality
- Low power consumption
- Downscaling
- Abstaining use of toxic substances

Smart design

- Safety first
- Falling to risks
- Make efficient use of energy
- Reduce and recycle
- Minimizing emissions

Smart production processes

- OHSMS
- ISO9001
- IATF16949
- ISO14001

Systems

TAIYO YUDEN’s innovative and creative journey

Since our founding, TAIYO YUDEN has focused firmly on the advancements of constantly changing electronic equipment, and created and provided a succession of products and new value in line with market demands. Our passion of creating value that builds a prosperous society is something that continues to the current day.

- Commercialization of the world’s first automotive multilayer metal power inductor
- Development of the world’s first 1,000V capacitance multilayer ceramic capacitor
- TAIYO YUDEN Mobile Technology Co., Ltd. is acquired as a subsidiary company
- First in the world to attain Bluetooth® standard Ver. 4.0 qualification for Bluetooth® Full modules
- Four overseas production bases are simultaneously established
- 1990s
- 1980s
- 1970s
- 1960s
- 1950s

March 2020

March 2019

March 2010

2010s and onwards

Commercialization of the world’s first recordable CD-R compact disc product is announced

Electronic equipment is increasingly miniaturized

Competition to DMC’s first nickel electrode high-capacitance multilayer ceramic capacitor

Development of the world’s first tubular chip ceramic capacitor

Company’s first overseas subsidiary is established in Taipei, Taiwan

Established a research and development laboratory

Start production of small-sized ferrite cores

Commercialization of the “Ruddycon” barium titanate tubular ceramic capacitor

March 1990

October 1987

February 1984

October 1973

December 1964

December 1954

March 1990

TAIYO YUDEN CO., LTD. is established by Hikotachi Sato in Sugumi-ku, Tokyo

March 1950

1949 to 1950

1954 to 1956

1965 to 1969

1970s

1960s

1950s