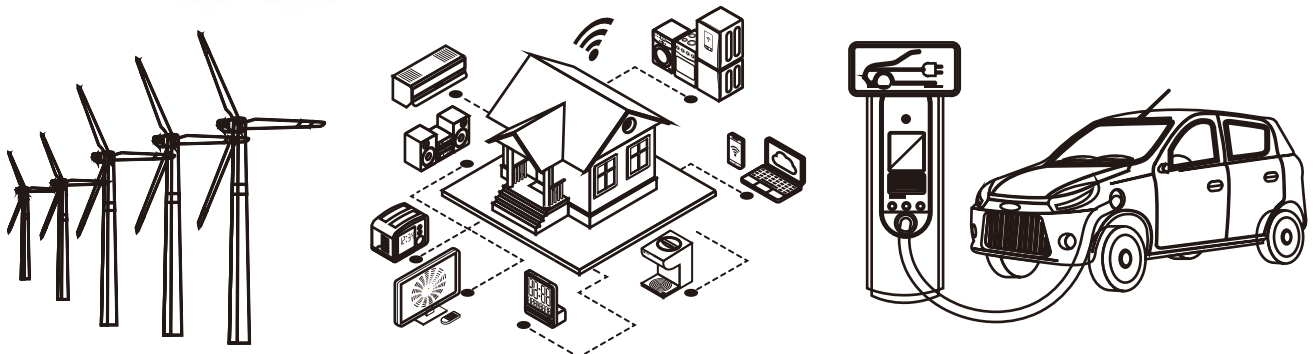


**Su'scon**

# COMPANY PROFILE



## Company Introduction

Established in 1978 by founder Mr. Johnson Su, Kuan Kun (Su'scon) has progressively evolved to access international markets through relentless research and development, recruiting high-tech talents, and acquiring technology for continuous improvement and innovation. This commitment to perpetual business operation has enabled Su'scon to offer comprehensive services to its customers.

Su'scon product has included various types of electrolytic capacitors, polymer solid capacitors, and hybrid solid capacitors, with a wide range of products. It is widely used in automotive electronics, industrial automation, and AI applications.

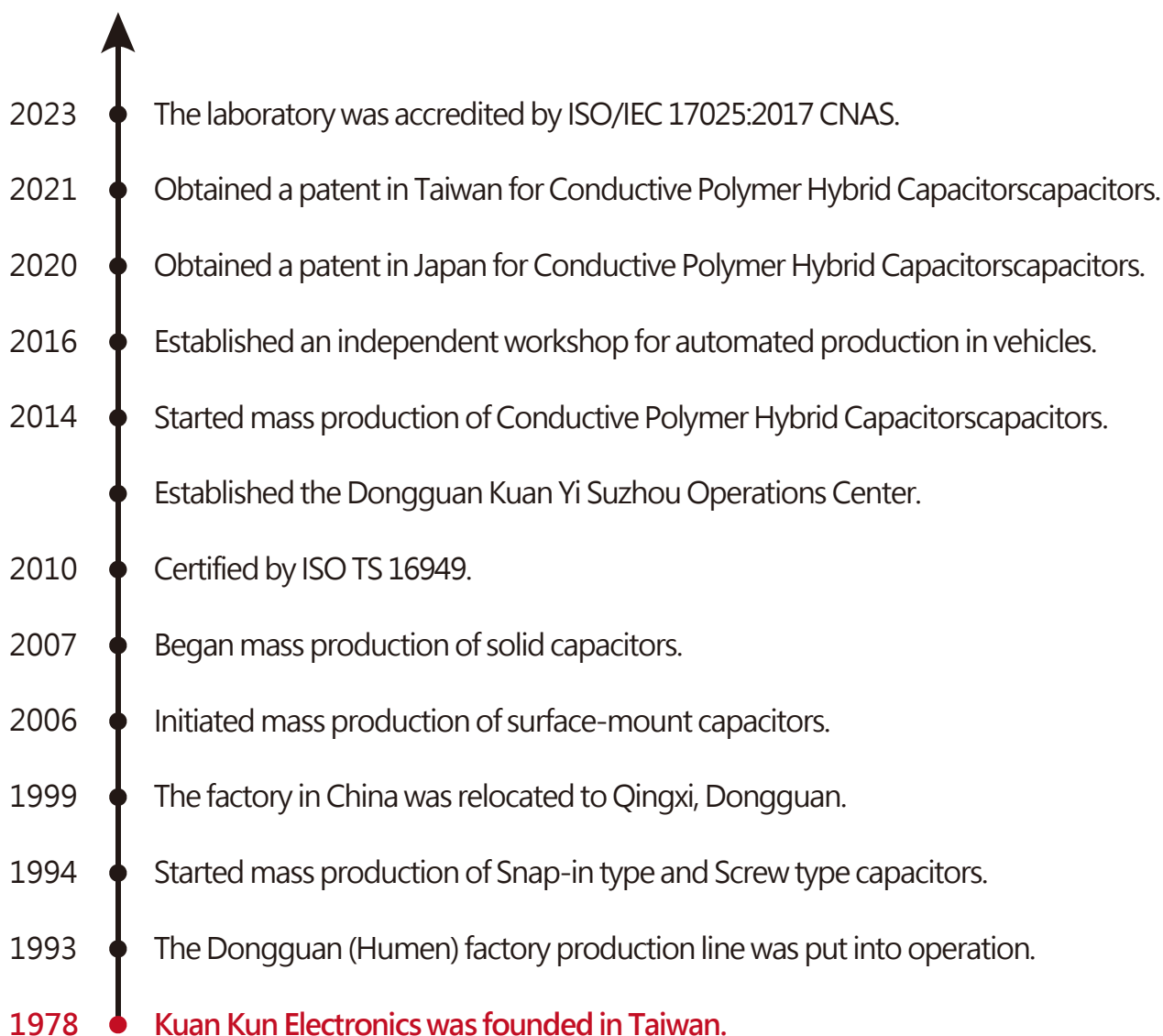
Su'scon possesses highly efficient automated production facilities, provides customers with high-quality products and satisfactory services, and supplies to the global market through its worldwide distribution network.



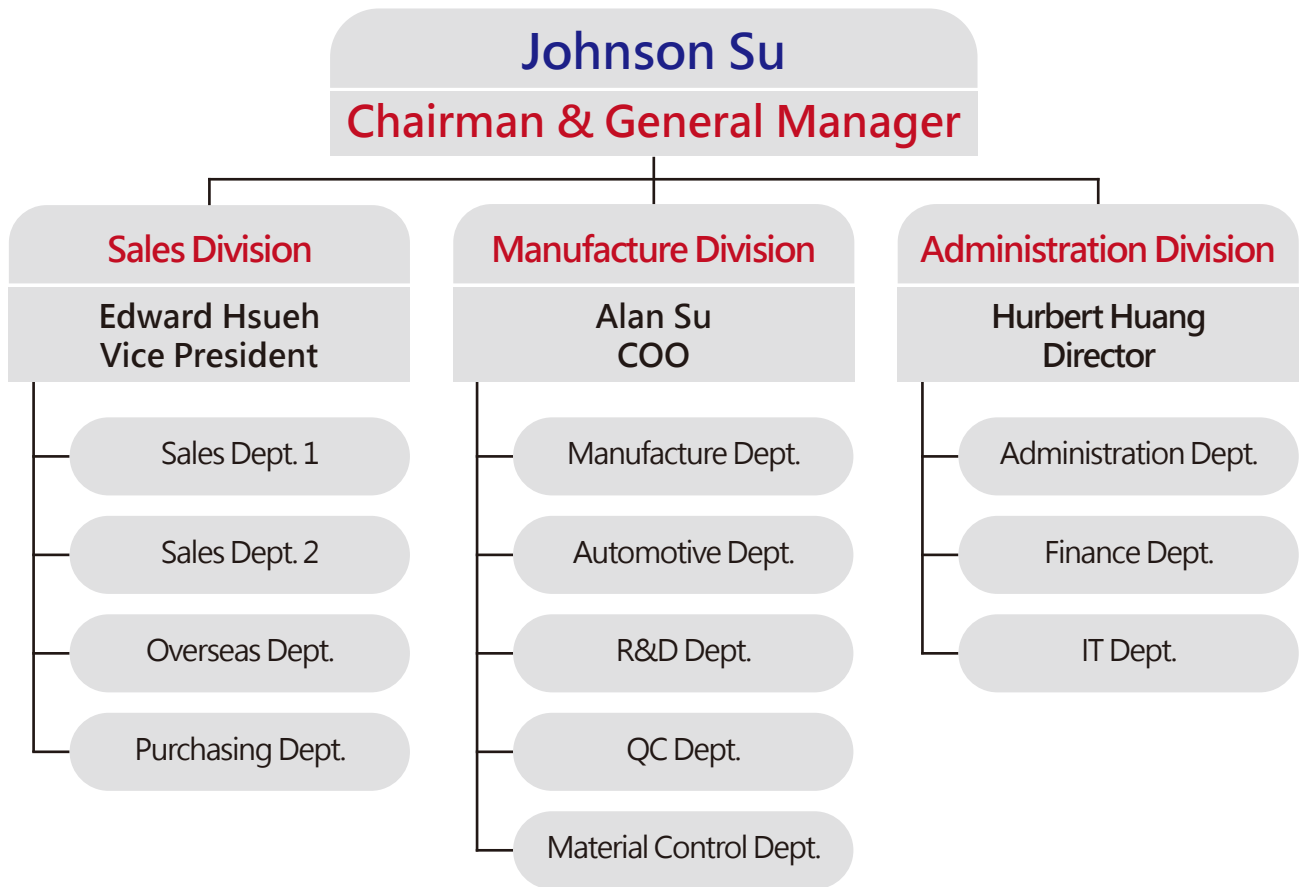
**Johnson Su**

Chairman & General Manager

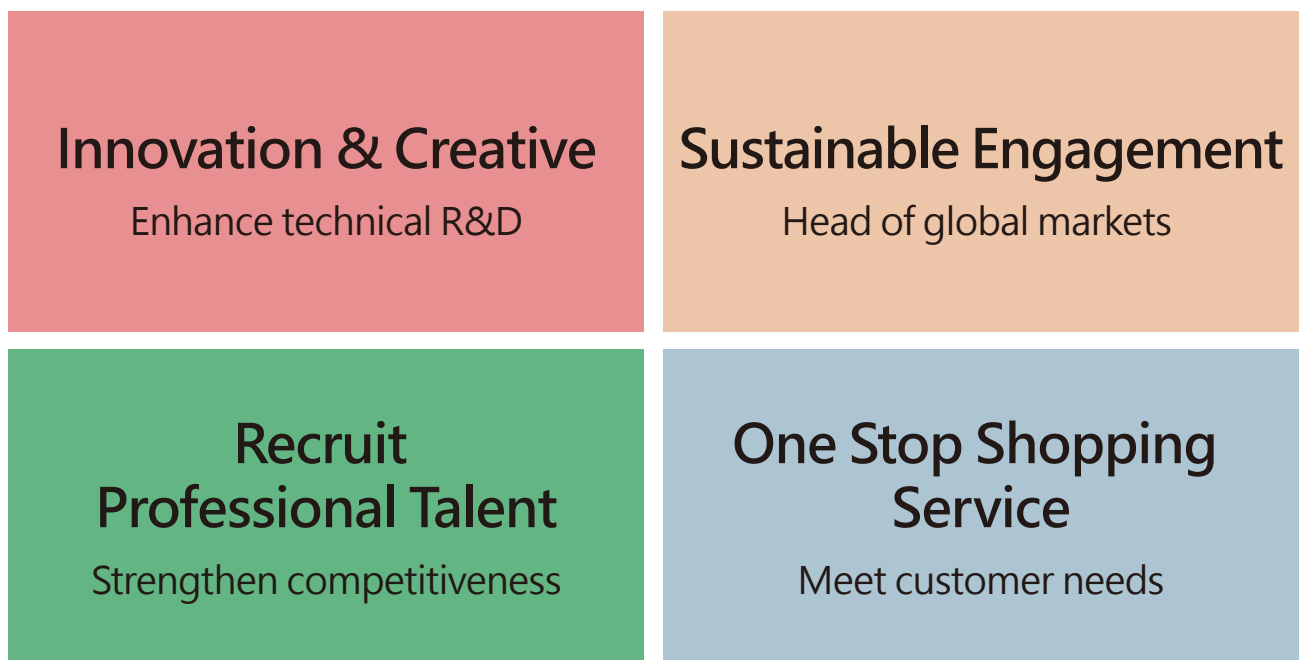
## Milestone



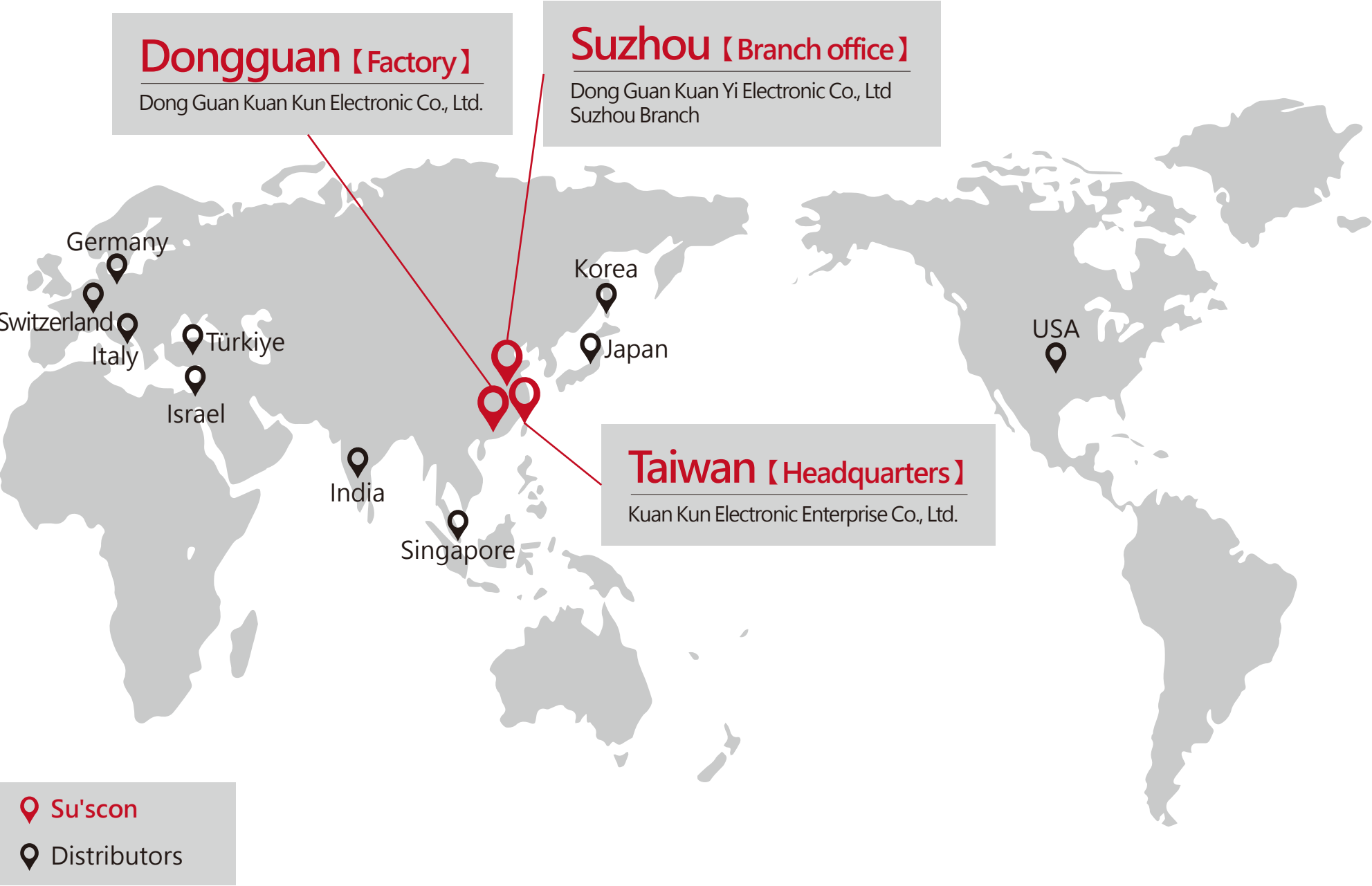
## Organuzation Chart



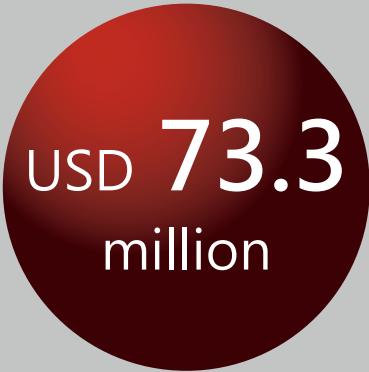
## Strategic Objectives



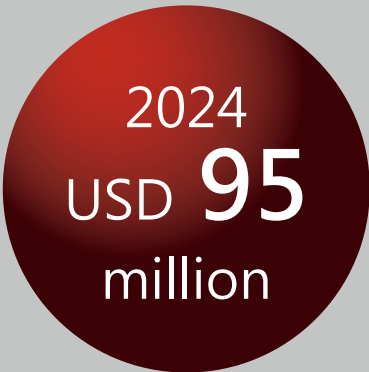
Global Bases



2023 Revenue

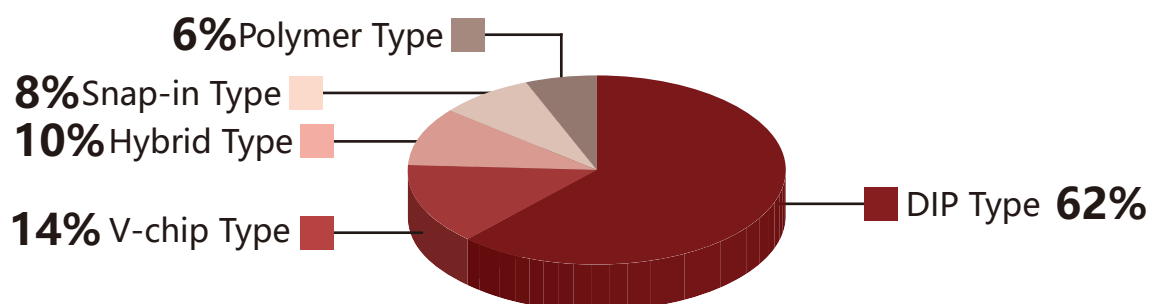


Strategic Planning for Revenue in the Next 3 Years

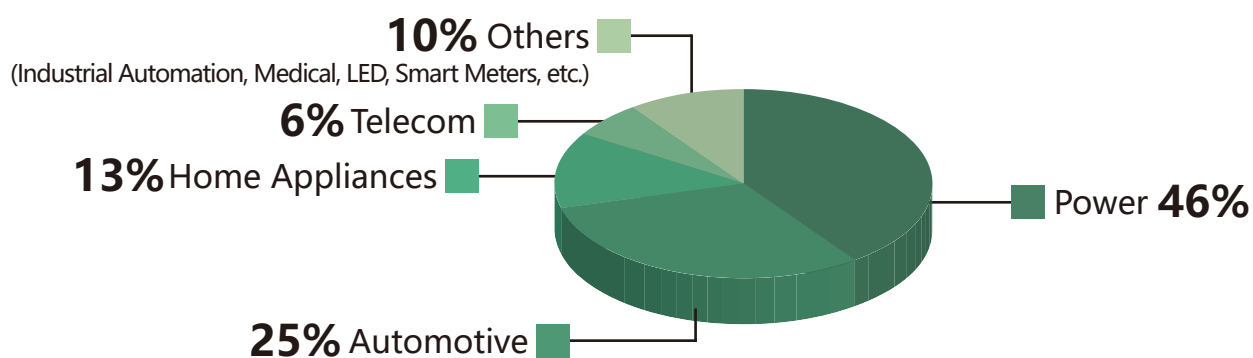


## 2023 Sales Revenue

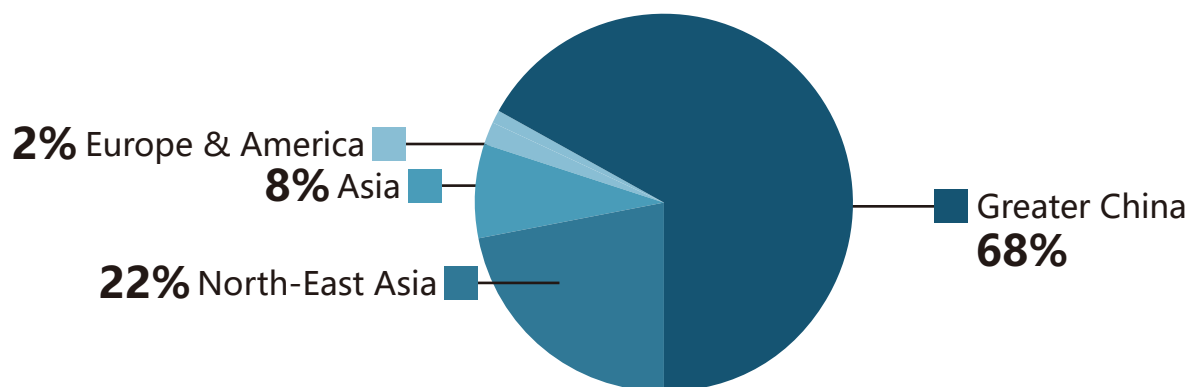
### Product Proportion



### Industry Proportion

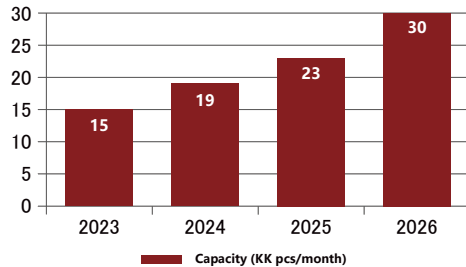


### Regional Proportion

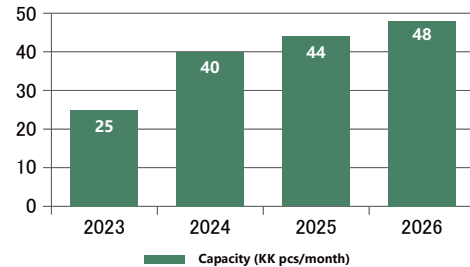


## Productivity Planning

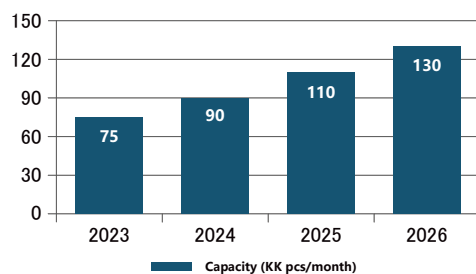
Hybrid Type



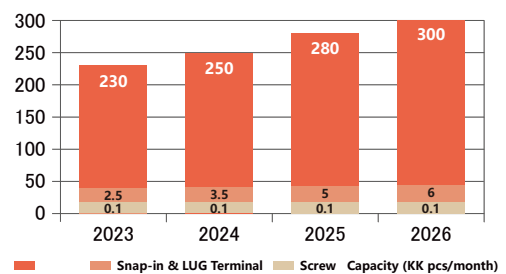
Polymer Type



Aluminum Electrolytic Capacitor (SMD)



Aluminum Electrolytic Capacitor (DIP)



## Manufacturing Process

Automation



e-management



Precision Equipment



Automotive Product Workshop

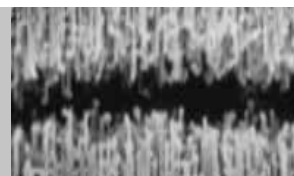


## R&D Technological

### Technical Advantages

#### New Material Development

Continuously develop new materials withstand high temperature, high pressure resistance, and high density material.



#### Design & Development

Forward-looking development to meet customers' product innovation and design needs.



#### Electrolyte Technology

Development of high-performance electrolytes to provide high-efficiency capacitors.



#### Automated Production

Automated production equipment to improve production efficiency and maintain consistent quality.



### Patented Technologies Recognized Globally

- ◆ Conductive Polymer Hybrid Capacitors received patents in Japan, the United States, China, and Taiwan.
- ◆ Patent for vibration-resistant base plates for automotive electronic products obtained in China.





# Quality Certification



IATF 16949: 2016



ISO 14001: 2015



ISO 9001: 2015



ISO 45001: 2018



IECQ QC 080000: 2017



ISO / IEC 17025: 2017  
(CNAS No: L18429)



## Major Raw Material Suppliers

<b>Electrolyte</b> <b>Su'scon</b> Independently researched, developed, and produced	<b>Electrolytic Paper</b> <ul style="list-style-type: none"> <li>· SPO</li> <li>· Tokyo Sangyo</li> <li>· KAN</li> <li>· RICON</li> <li>· CRRC</li> <li>· Denki Shoji</li> <li>· Asahi Kasei</li> </ul>	<b>Anode Foil (Low Voltage)</b> <ul style="list-style-type: none"> <li>· Hua Feng</li> <li>· Haiyi</li> <li>· Full Cheer</li> <li>· Liton</li> <li>· Evercon</li> </ul>	<b>Anode Foil (High Voltage)</b> <ul style="list-style-type: none"> <li>· Hua Feng</li> <li>· Haixing</li> <li>· Jintai</li> <li>· Fengchuan</li> </ul>	<b>Cathode Foil</b> <ul style="list-style-type: none"> <li>· AFT</li> <li>· Feilo</li> </ul>
	<b>Lead Wire</b> <ul style="list-style-type: none"> <li>· Nanming</li> <li>· Kinglife</li> <li>· Rihui</li> <li>· Nanping</li> </ul>	<b>Aluminum Case</b> <ul style="list-style-type: none"> <li>· Ao Xing</li> <li>· Yuankang</li> <li>· Shihao</li> <li>· Xinhuahe</li> <li>· Lianyi</li> <li>· Xinlian</li> </ul>	<b>Sleeve (PET)</b> <ul style="list-style-type: none"> <li>· Yun Lin</li> <li>· Bopu</li> </ul>	<b>Rubber Seal</b> <ul style="list-style-type: none"> <li>· Sungham</li> <li>· Yu Feng</li> <li>· Lian Hua Xin</li> <li>· Xianghe</li> <li>· Dian Chuang</li> </ul>

## Environmental Protection

### Sustainable Environment

- ◆ International environment protection standard regulation compliance
- ◆ Company sustainable operation through ESG concept practice



### Green Enterprise

- ◆ Green environmental protection implementation
- ◆ Zero pollution execution by carbon reduction, resource recycling and reuse



### Environmental Control

- ◆ ISO 9001 and ISO 14001 environment management system certification.
- ◆ QC08000 hazardous substance process management.
- ◆ Environment protection implementation by industrial waste reduction and energy saving.



### Green Environmental Products

- ◆ Comply with RoHS, REACH, lead and Halogen free products control regulation
- ◆ Establish Environmental substance management measures and meet customer's requirements for sustainable environmental protection



## Products & Application

### Hybrid Capacitor



SMD

Radial

### Polymer Capacitor



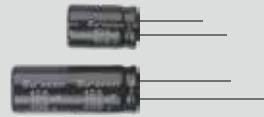
SMD

Radial

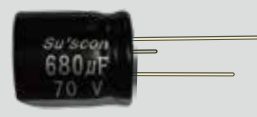
### Aluminum Electrolytic Capacitor



SMD



Radial



Radial  
(3 pins, for TCU & ECU)



Axial



LUG Terminal



Snap-in



Screw



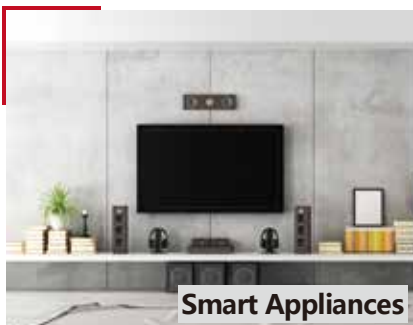
Automotive



Consumer Electronics



Telecom



Smart Appliances



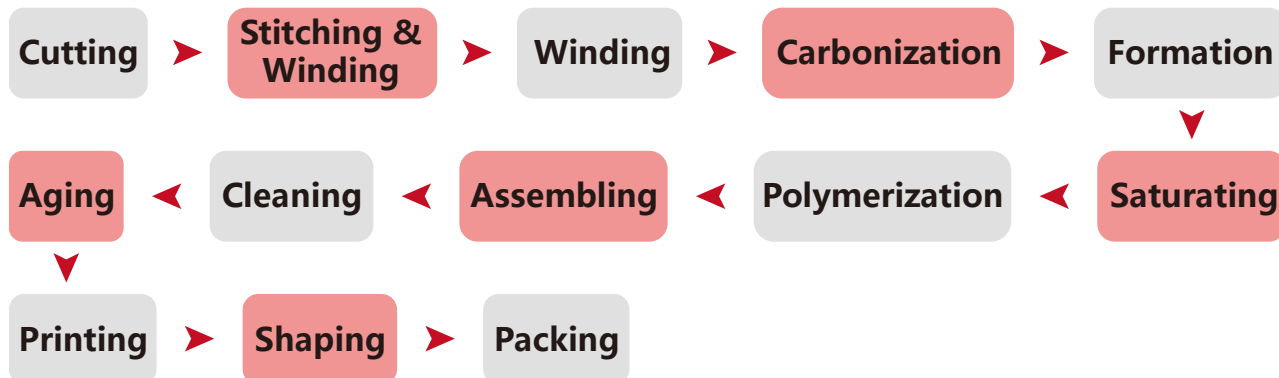
Industry



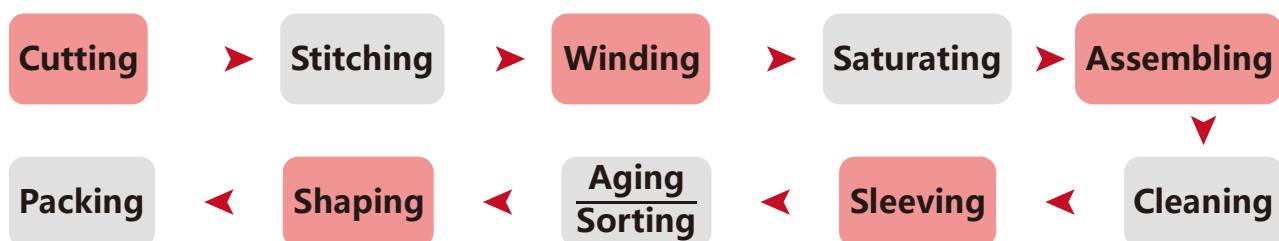
Renewable Energy

## Production Flow Chart

### Polymer Capacitor



### Aluminum Electrolytic Capacitor



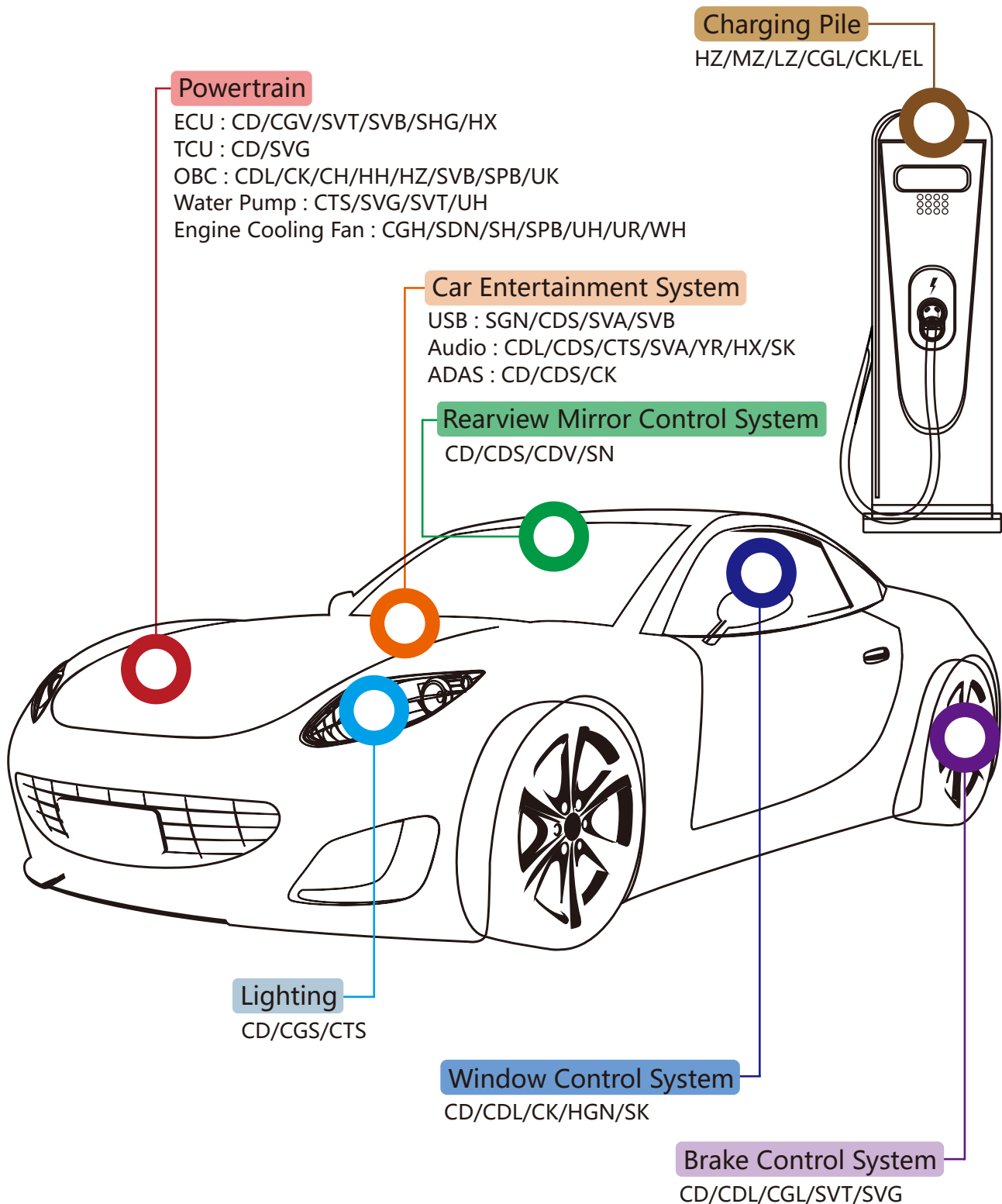
## AEC-Q200 Reliability Test

- External Visual
- Physical Dimensions
- High Temperature Operating Life
- Terminal Strength (for axial & radial THT components)
- Terminal Strength (SMD)
- Vibration
- Board Flex (SMD)
- Mechanical Shock
- Humidity Bias
- Resistance to Solvents
- ESD
- Electrical Characterization
- Pre- and Post-Stress Electrical Test
- Surge Voltage
- Temperature Cycling
- High Temperature Exposure (Storage)
- Flammability
- Resistance to Soldering Heat
- Solderability



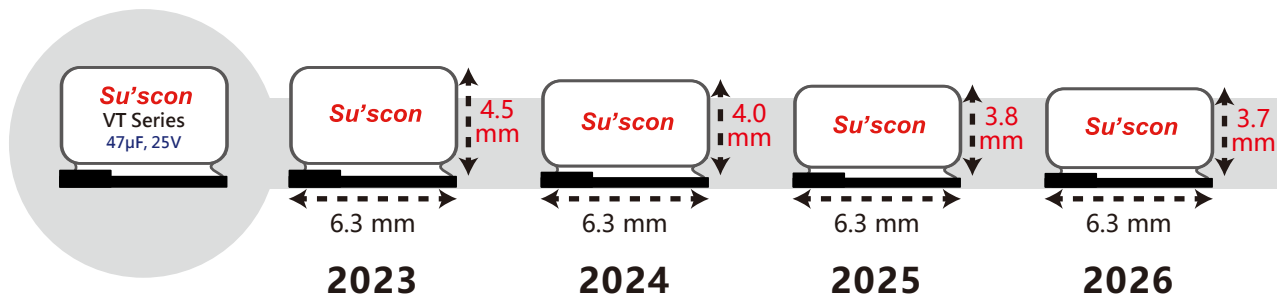
The laboratory is accredited by  
ISO/IEC 17025:2017 CNAS,  
CNAS No.L18429.

# Automotive Applications

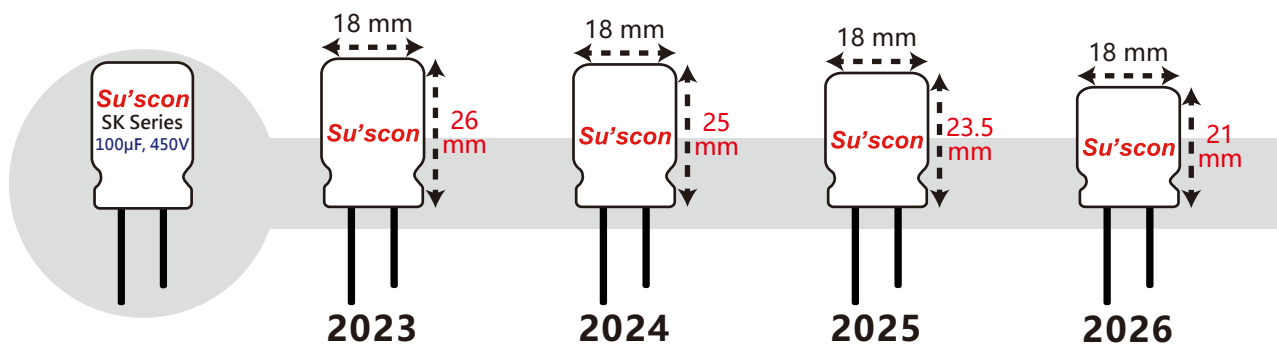


## Product Miniaturization

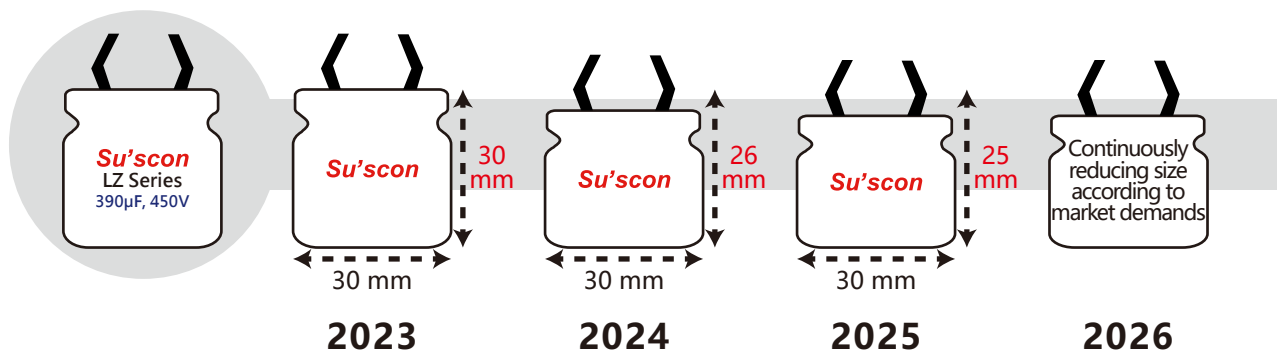
### Polymer Capacitors - SMD Type



### Aluminum Electrolytic Capacitors - Radial Type



### Aluminum Electrolytic Capacitors - Snap-in Type



## Road Map

### Hybrid Capacitor

#### Radial Type: High temperature product (Automotive Electronics)



EX: 270μF/25V

##### SVT Series

Standard

High Reliability  
135°C

##### SVJ Series

Higher Temp. ↑↑

High Reliability  
150°C

2023

135°C  
4,000hrs

2024

150°C  
1,000hrs

2025

150°C  
2,000hrs

2026

150°C  
3,000hrs

### Polymer Capacitor

#### Radial Type: Higher Working Voltage Product



Standard

35~100WV  
105°C  
2,000 hrs

Higher Working  
Voltage Product ↑

35~200WV

Higher Working  
Voltage Product ↑↑

35~315WV

2023

35~100WV

2024

35~200WV

2025

35~250WV

2026

35~315WV

#### Radial Type: Lowest ESR Product



E\* Series

Standard

6.0 mΩ / 100kHz

E\* Series

ESR ↓

5.0 mΩ / 100kHz

E\* Series

ESR ↓↓

4.5~3.0 mΩ / 100kHz

2023

4.5 mΩ / 100kHz

2024

4.0 mΩ / 100kHz

2025

3.8 mΩ / 100kHz

2026

3.5 mΩ / 100kHz



# Road Map

## Aluminum Electrolytic Capacitor

### SMD Type: High Temperature Product (Automotive Electronics)



EX: 270μF/25V

#### CGL Series

Standard

125°C

2,000~3,000hrs

#### CGH Series

Higher Temp. ↑

135°C

2,000~3,000hrs

#### CBL Series

Higher Temp. ↑↑

150°C

1,000~3,000hrs

2023

135°C

2,000hrs

2024

150°C

1,000hrs

2025

150°C

2,000hrs

2026

150°C

3,000hrs

### Radial Type: High Temperature Product



#### UH Series

Standard

130°C

3,000hrs

#### UR Series

Higher Temp. ↑

135°C

3,000hrs

#### WH Series

Higher Temp. ↑↑

150°C

3,000hrs

2023

UR

135°C

3,000hrs

2024

WH

150°C

1,000hrs

2025

WH

150°C

2,000hrs

2026

WH

150°C

3,000hrs

※ For detailed product information, please contact our sales department.

### Radial Type: Higher Working Voltage, Lowest ESR Product

EX: SD Series  
(150μF/400V, 18x35mm)

Standard

Higher Working Voltage  
Lowest ESR

ESR ↓

ESR ↓↓

2023

0.28 Ω / 100kHz

2024

0.20 Ω / 100kHz

2025

0.20Ω / 100kHz

2026

0.18 Ω / 100kHz

### Radial Type: Low Temperature Product



LK Series

- Ultra-Low Temp.
- Wide Temp. Range
- Wide Voltage

#### LK Series

Standard

-40°C~105°C

#### LKA Series

Lower Temp. ↓

-55°C~105°C

#### LKN Series

Lower Temp. ↓↓

-55°C~105°C

2023

-55°C~105°C

400~450WV

2024

-55°C~105°C

160~450WV

2025

-55°C~105°C

160~500WV

2026

-55°C~105°C

160~550WV

## Radial Type: Long Life Product



- Higher Working Voltage
  - Wide Voltage
  - Long Life
- HE/HW Series

### HE Series Standard

400~450WV  
10,000hrs



### HW Series Long Life ↑↑

160~550WV  
20,000hrs

**2023**  
HW  
160~450WV  
20,000hrs



**2024**  
HW  
160~450WV  
20,000hrs



**2025**  
HW  
160~550WV  
20,000hrs



**2026**  
Extended  
Product Life

## Radial Type: High Temperature Product of Automotive Electronics (ECU/TCU)



- 125°C
  - L≤20mm,  
Anti-vibration 30G
- SHG Series

### SHG Series Standard

125°C  
5,000hrs



### SHH Series Higher Temp. ↑

135°C  
3,000hrs



### SHW Series Higher Temp. ↑↑

135°C  
7,000hrs

**2023**  
SHH  
135°C  
2,000hrs



**2024**  
SHH  
135°C  
3,000hrs



**2025**  
SHW  
135°C  
5,000hrs



**2026**  
SHW  
135°C  
7,000hrs

## Screw Type: Higher Working Voltage Product



- 5,000hrs
- 650WV
- 85°C

### Standard

650WV  
5,000hrs



### Higher Working Voltage ↓

700WV  
3,000hrs



### Higher Working Voltage ↓↓

730WV  
3,000hrs

**2023**  
700WV  
3,000hrs



**2024**  
730WV  
3,000hrs



**2025**  
Develop based on  
market demand



**2026**  
Develop based on  
market demand

## Axial Type: High Temperature Product of Automotive Electronics (BSG/ISG)



- BSG

### AX Series Standard

125°C  
5,000hrs



### AX Series Higher Temp. ↑

150°C  
1,000hrs



### AX Series Higher Temp. ↑↑

150°C  
2,000hrs

**2023**  
150°C  
1,000hrs



**2024**  
150°C  
1,000hrs



**2025**  
150°C  
2,000hrs



**2026**  
Continuously develop  
higher temp. product

※ For detailed product information, please contact our sales department.

## Major Customer

### Automotive



### Power



### Telecom



### Home Appliances



### Others

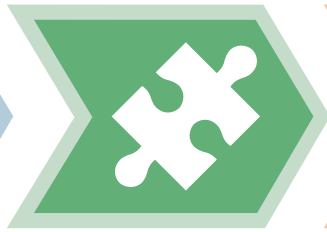


## Our Service



### Meeting Customer Needs

Provides a full range of E-Cap products to satisfy customers' needs for one stop shopping service.



### Offering Solutions

Su'scon actively offers customer consultations and a variety of sample specifications. Su'scon also accommodates customization to offer products with the highest cost-effectiveness.



### Short Delivery Time with Great Flexibility

Replies to customer inquiries within 48 hours, ensuring delivery within 4 weeks, with special delivery times negotiable for earlier arrangements.



### Global Services

Global dealer service points, offering more convenient, rapid, and comprehensive services to customers worldwide.

## Contact Us



### Corporate Headquarters

**KUAN KUN ELECTRONIC ENTERPRISE CO., LTD.**

冠坤電子企業股份有限公司  
5F-3, NO.2 JIAN 8TH RD., ZHONGHE DIST.,  
NEW TAIPEI CITY 23511, TAIWAN  
台灣新北市23511中和區建八路2號5樓之3  
TEL: +886-2-8226-9699  
FAX: +886-2-8226-9670  
E-MAIL: sales@su-scon.com.tw



### Branch & Factory

**DONG GUAN KUAN KUN ELECTRONIC CO., LTD.**

東莞冠坤電子有限公司  
41 YINPING ROAD, YIN HE INDUSTRIAL ZONE,  
QING XI TOWN, DONG GUAN CITY, GUANG DONG  
523648, CHINA  
廣東省523648東莞市清溪鎮銀河工業區銀瓶路41號  
TEL: +86-769-8731-8000  
FAX: +86-769-8731-8008  
E-MAIL: sales@su-scon.com.tw

**DONG GUAN KUAN YI ELECTRONIC CO., LTD.**

東莞冠宜電子有限公司  
41 YINPING ROAD, YIN HE INDUSTRIAL ZONE,  
QING XI TOWN, DONG GUAN CITY, GUANG DONG  
523648, CHINA  
廣東省523648東莞市清溪鎮銀河工業區銀瓶路41號  
TEL: +86-769-3901-9168  
FAX: +86-769-3901-9167



### Suzhou Branch

**DONG GUAN KUAN YI ELECTRONIC CO., LTD SUZHOU BRANCH**

東莞冠宜電子有限公司蘇州分公司  
ROOM 2-1008, ZIJIN ORIENTAL PLAZA, NO.288,  
QIYUE STREET, INDUSTRIAL PARK, SUZHOU  
蘇州工業園區啟月街288號紫金東方廣場1商幢2-1008室  
TEL: +86-512-6285-7850  
FAX: +86-521-6285-7856



### Hong Kong Branch

**KUAN SHIN INVESTMENTS CO., LTD.**

冠碩投資股份有限公司  
FLAT 5, 22/F APEC PLAZA, 49 HOL YUEN ROAD,  
KWUN TONG, KOWLOON, HONG KONG  
香港九龍觀塘開源道49號創貿廣場22樓5室  
TEL: +852-2385-7603  
FAX: +852-2385-8725

# ***Su'scon***

*Supporting Superior Condenser*



**[www.su-scon.com](http://www.su-scon.com)**