

Su'scon

2024 COMPANY PROFILE



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

www.su-scon.com

TEL: +886-2-82269699

Email: sales@su-scon.com.tw

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.

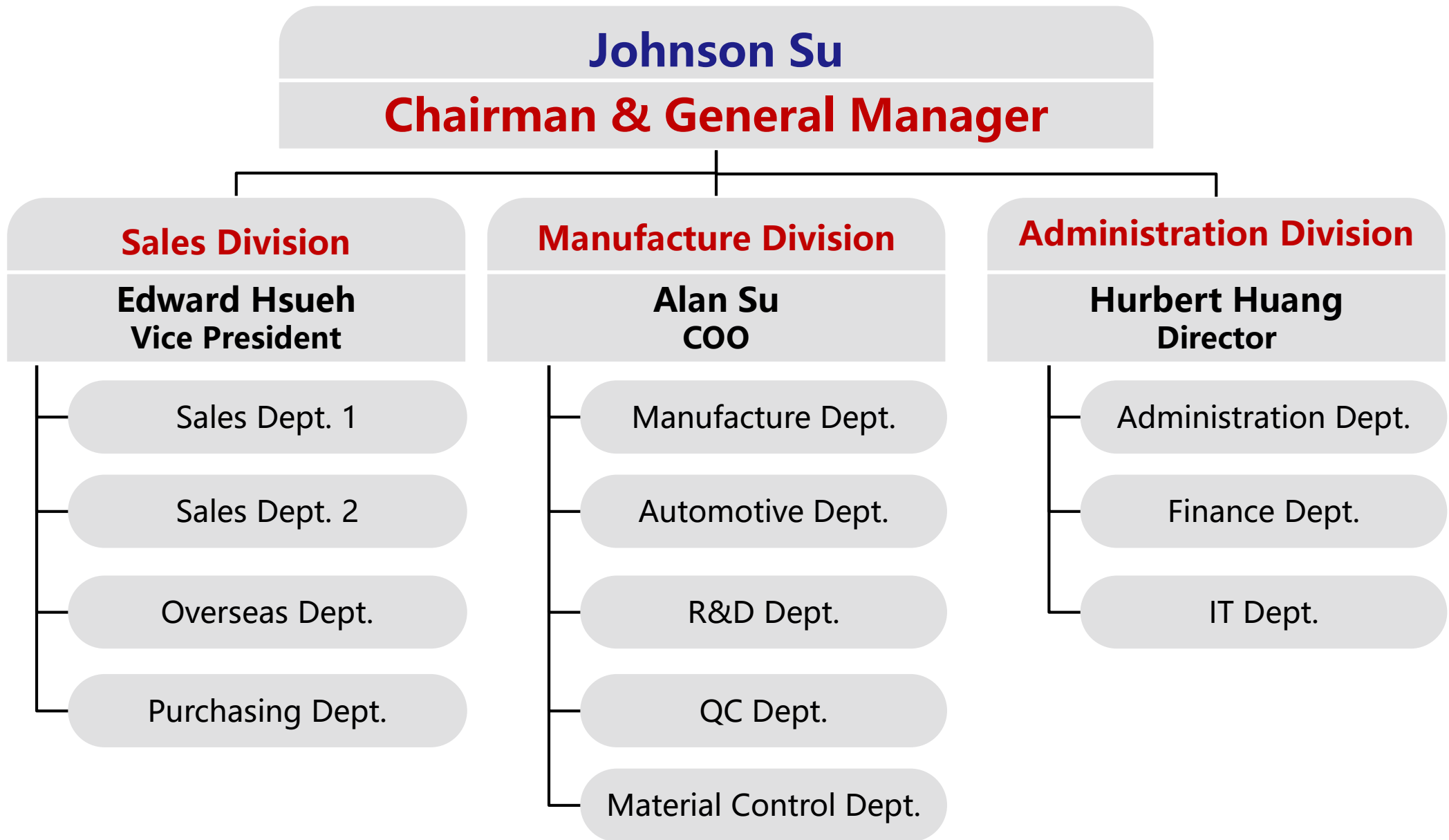


Johnson Su, CEO

Milestone



Company Structure



Strategic Objectives

Innovation & Creative

Enhance technical R&D

Sustainable Engagement

Head of global markets

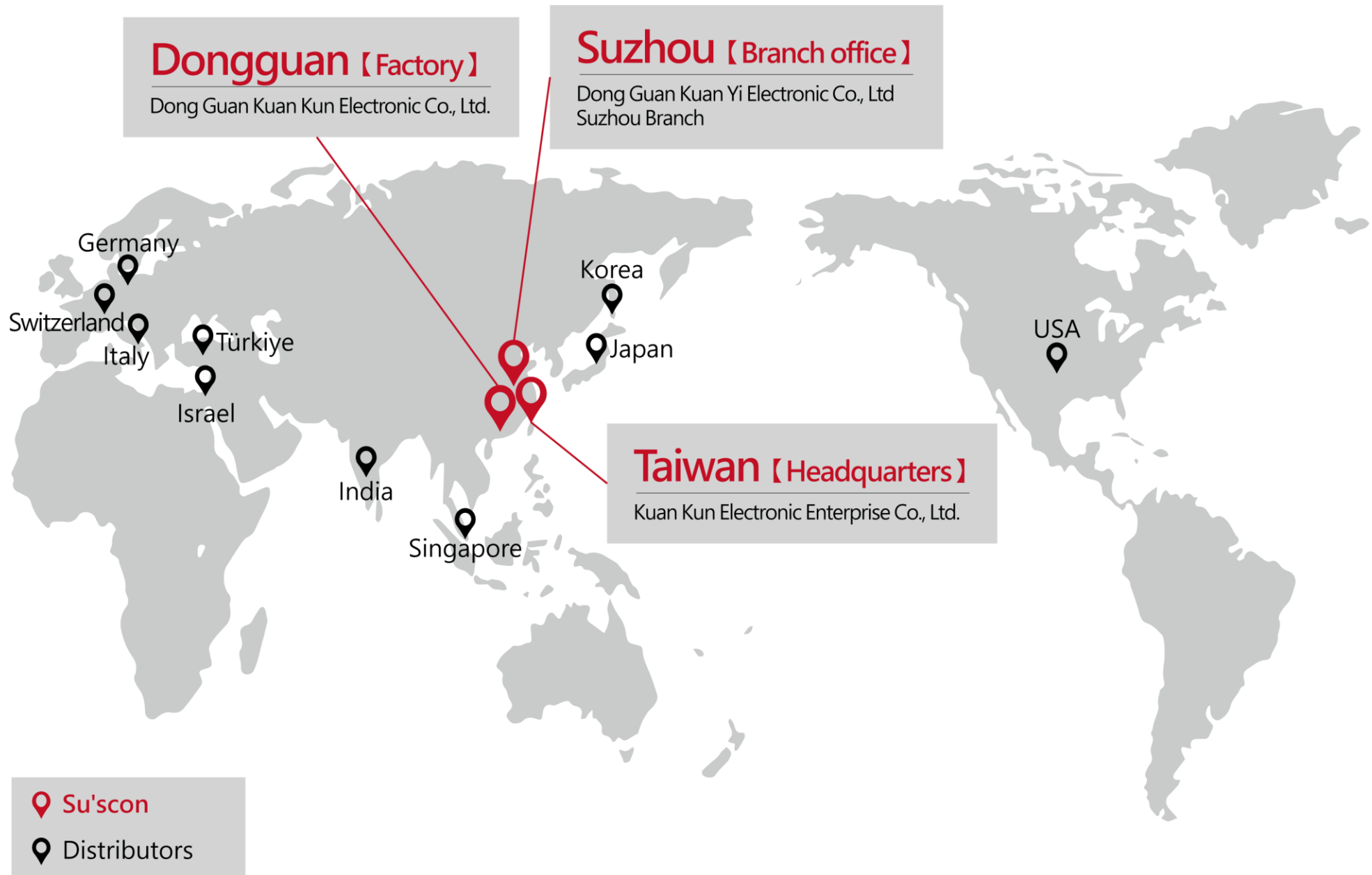
Recruit Professional Talent

Strengthen competitiveness

One Stop Shopping Service

Meet customer needs

Global Bases



Business Objectives

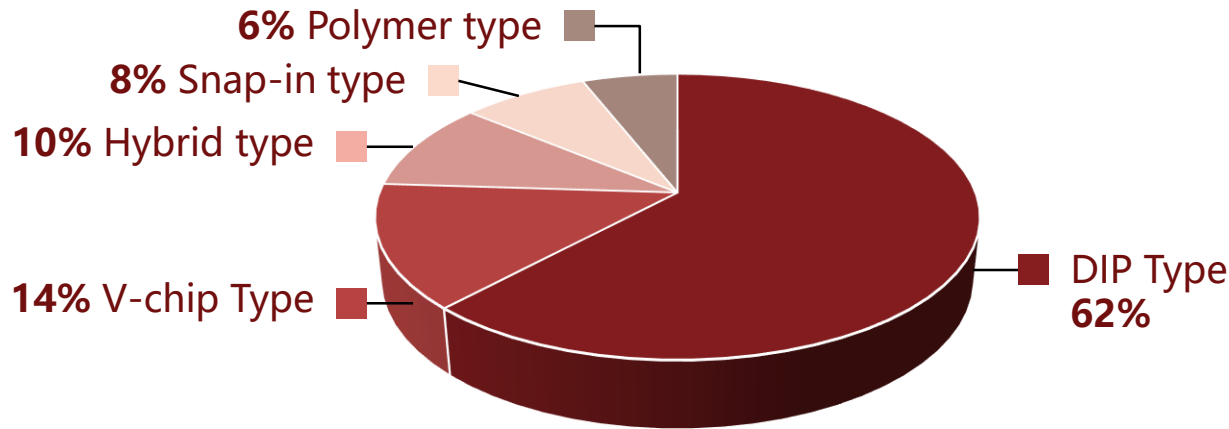
💰 2023 Revenue



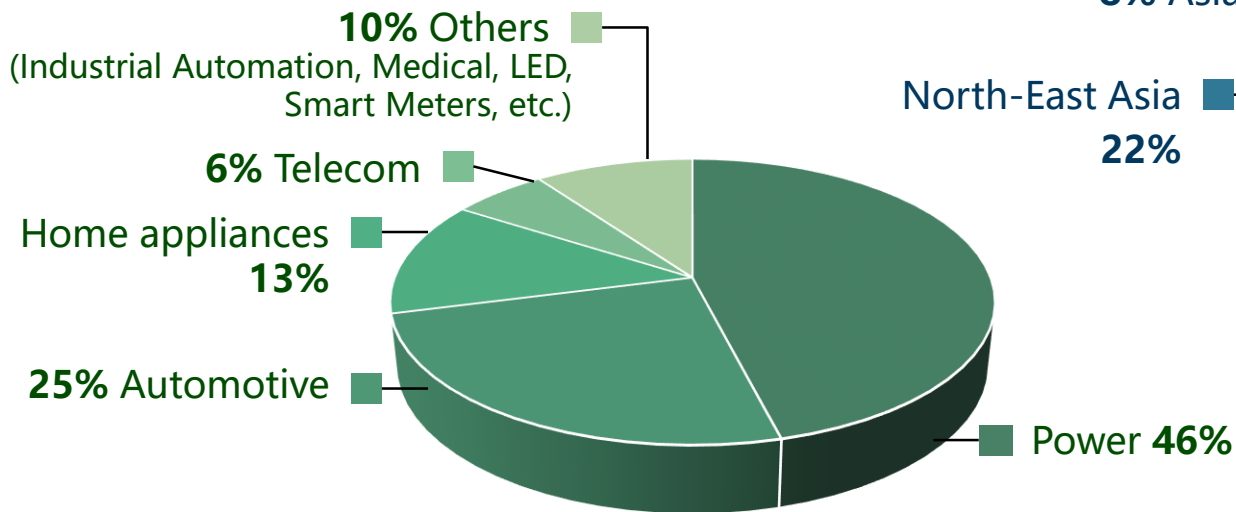
💰 Strategic Planning for Revenue in the Next 3 Years



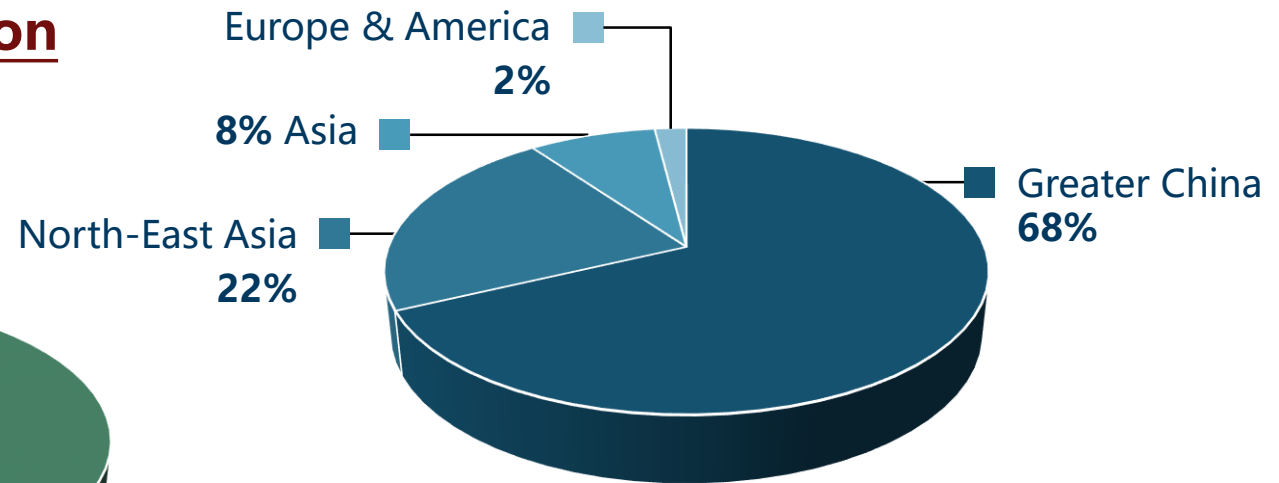
2023 Sales Revenue



Product Proportion



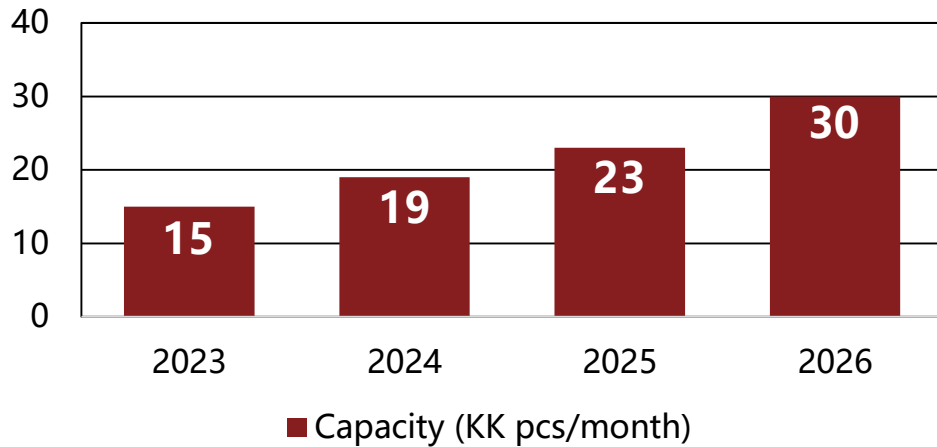
Industry Proportion



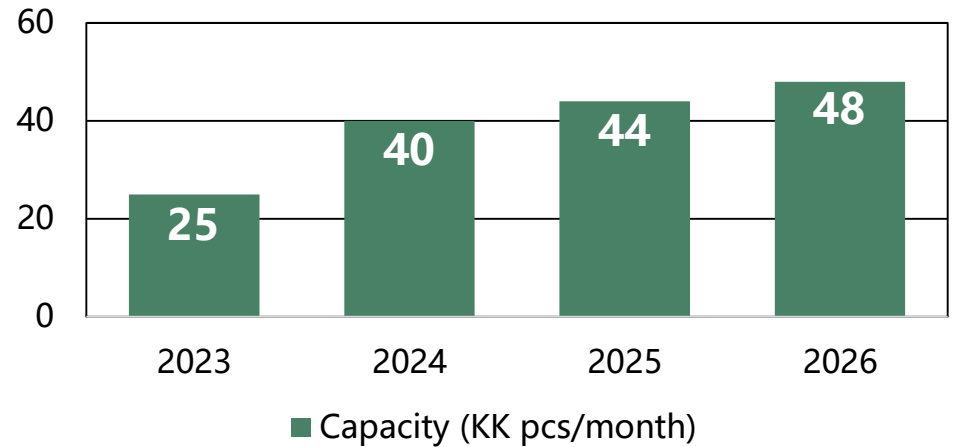
Regional Proportion

Capacity Planning

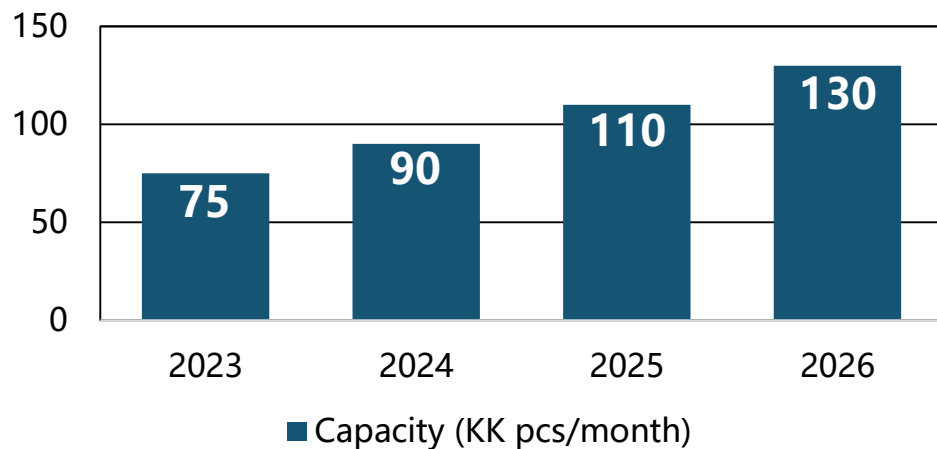
Hybrid type



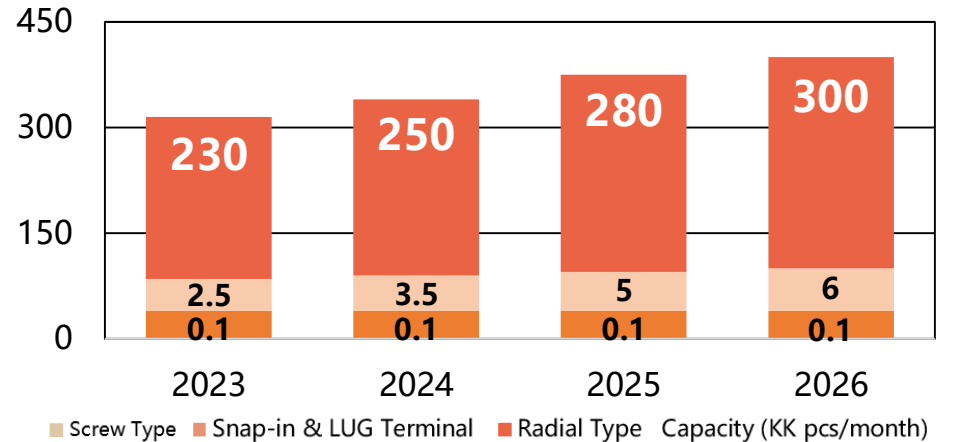
Polymer type



Aluminum Electrolytic Capacitor (SMD)



Aluminum Electrolytic Capacitor (DIP)



Manufacturing Process

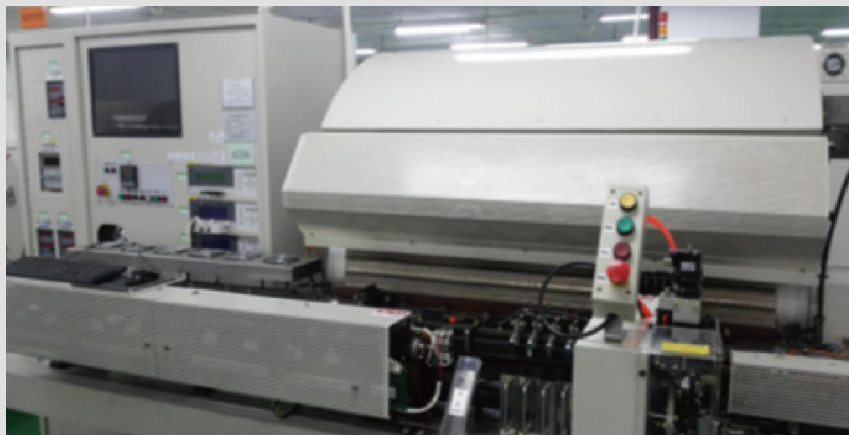
Automation



e-management



Precision Equipment



Automotive Product Workshop

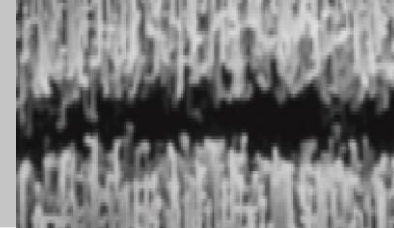


R&D Technological

⑤ 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.



R&D Technological

⑤ 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



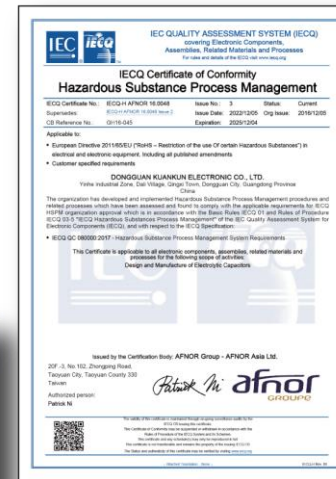
ISO 14001:2015



ISO 9001:2015



ISO 45001:2018



IECQ QC 080000:2017



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

Major Raw Material Suppliers

Electrolyte

Su'scon

Independently
researched,
developed, and
produced

Electrolytic Paper

- SPO
- TOKYO SANGYO
- KAN
- RICON
- CRRC
- Denki Shoji
- Asahi Kasei

Anode Foil (Low Voltage)

- HUA FENG
- HAIYI
- FULL CHEER
- LITON
- EVERCON

Anode Foil (High Voltage)

- JOINWORLD
- HAIXING
- JINTAI
- FENGCHUAN

Cathode Foil

- AFT
- FEILO

Lead Wire

- NANMING
- KINGLIFE
- RIHUI
- Nanping

Aluminum Case

- AO XING
- YUANKANG
- SHIHAO
- XINHUAHE
- LIANYI
- Xinlian

Sleeve (PET)

- YUN LIN
- BOPU

Rubber Seal

- SUNGNAM
- YU FENG
- LIAN HUA XIN
- XIANGHE
- DIAN CHUANG

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



Product Introduction

Hybrid Capacitor



SMD

Radial

Polymer Capacitor



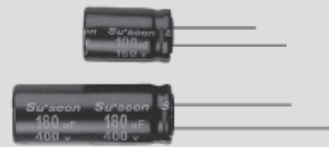
SMD

Radial

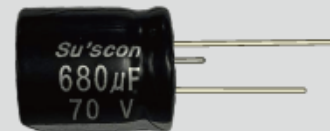
Aluminum Electrolytic Capacitor



SMD



Radial



Radial

(3 pins, for TCU & ECU)



Axial



LUG Terminal

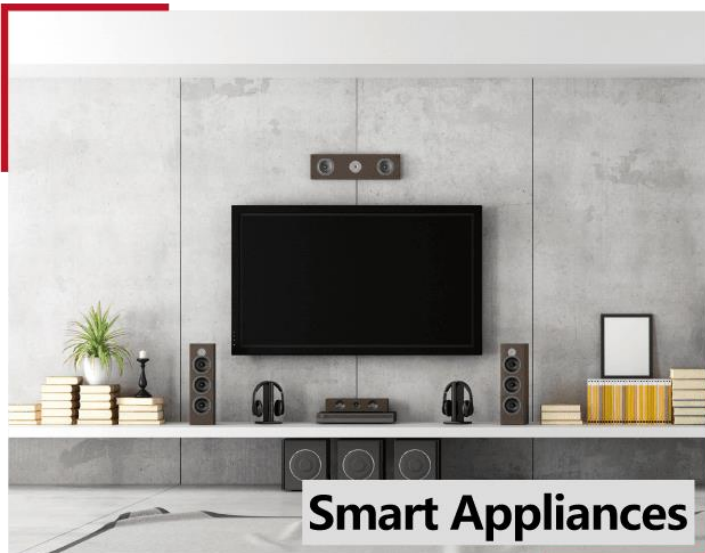


Snap-in



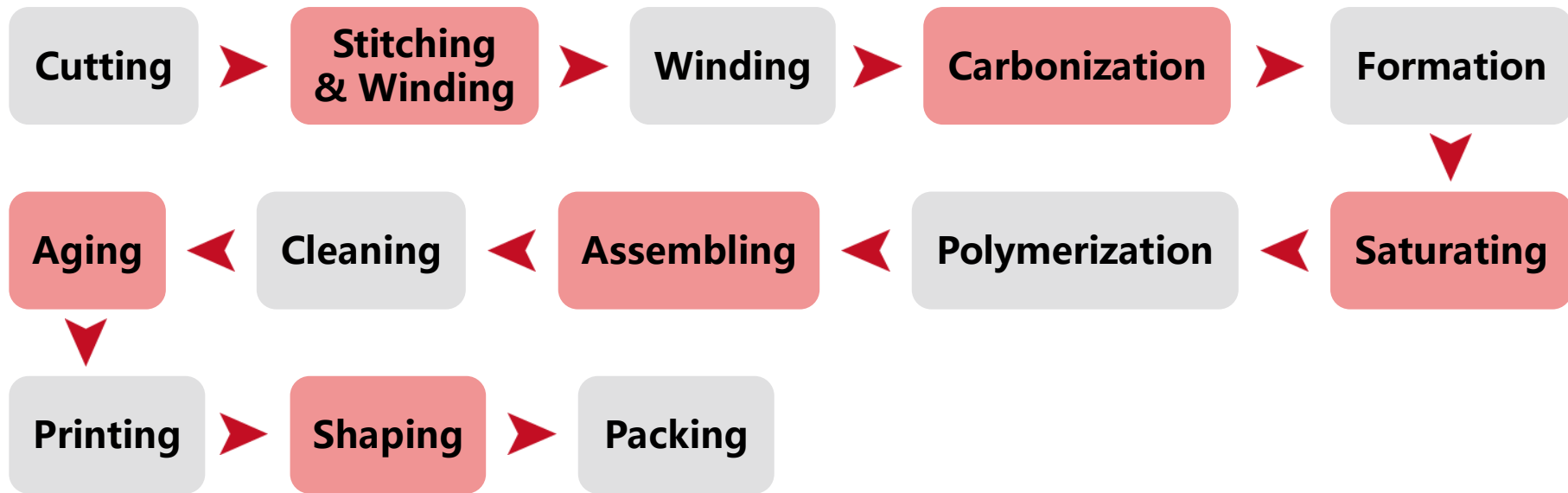
Screw

Application Areas

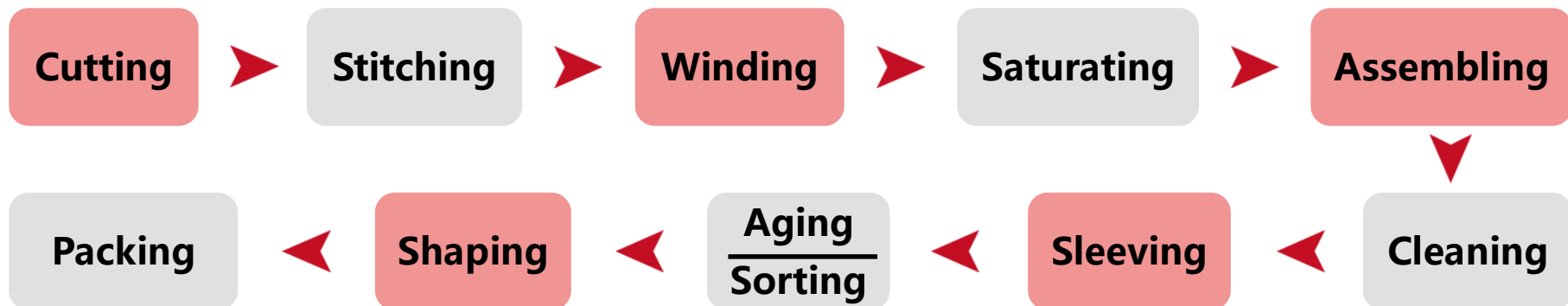


Production Processes

① Polymer Capacitor

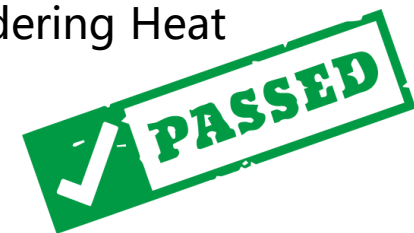


① Aluminum Electrolytic Capacitor



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

Powertrain

ECU : CD/CGV/SVT/SVB/SHG/HX
 TCU : CD/SVG
 OBC : CDL/CK/CH/HH/HZ/SVB/SPB/UK
 Water Pump : CTS/SVG/SVT/UH
 Engine Cooling Fan: CGH/SDN/SH/SPB/UH/UR/WH

Car Entertainment System

USB : SGN/CDS /SVA/SVB
 Audio : CDL/CDS/CTS/SVA/YR/HX/SK
 ADAS : CD/CDS/CK

Rearview Mirror Control System

CD/CDS/CDV/SN

Charging Pile

HZ/MZ/LZ/CGL/CKL/EL

Lighting

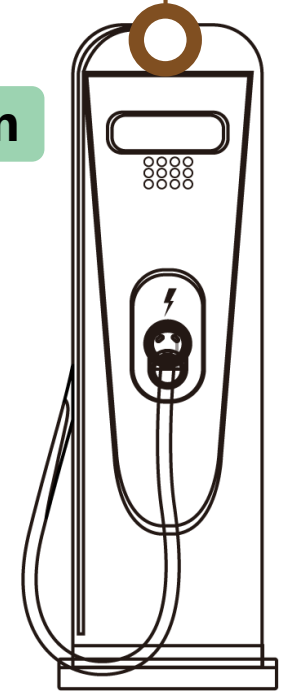
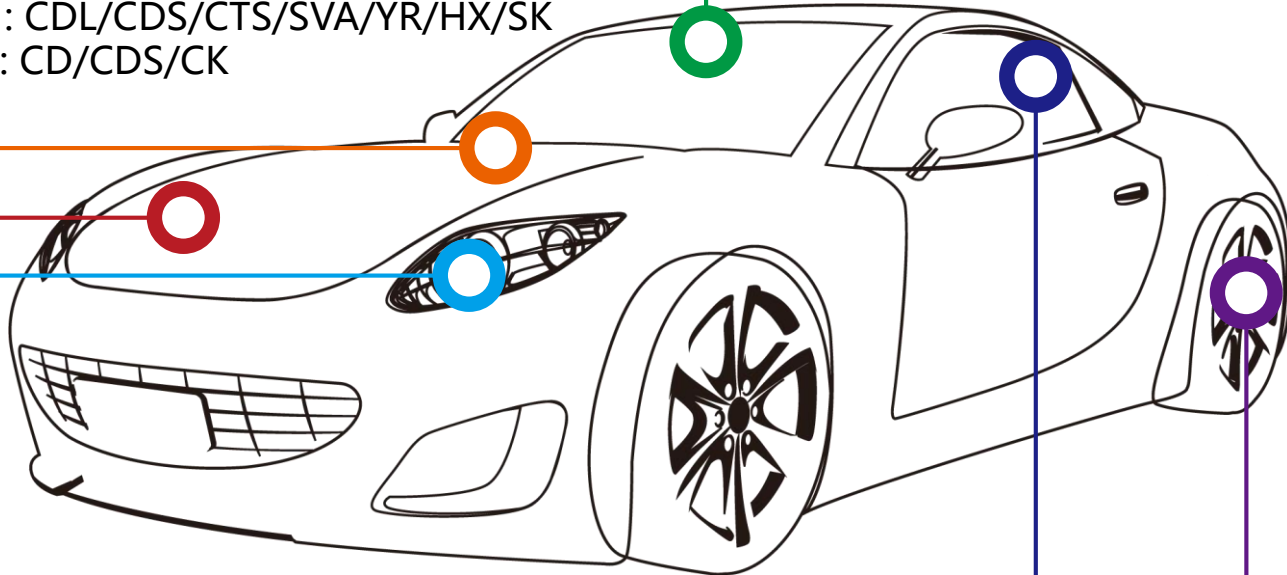
CD/ CGS/CTS

Window Control System

CD/CDL/CK/HGN/SK

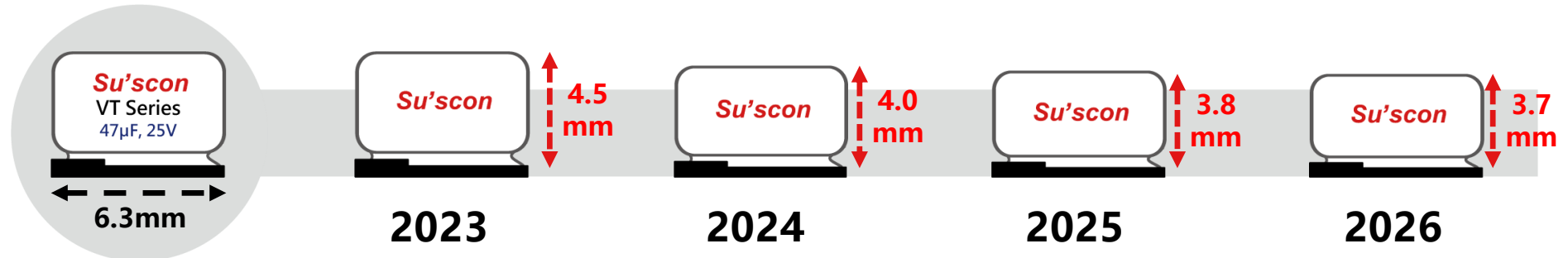
Brake Control System

CD/CDL/CGL/SVT/SVG

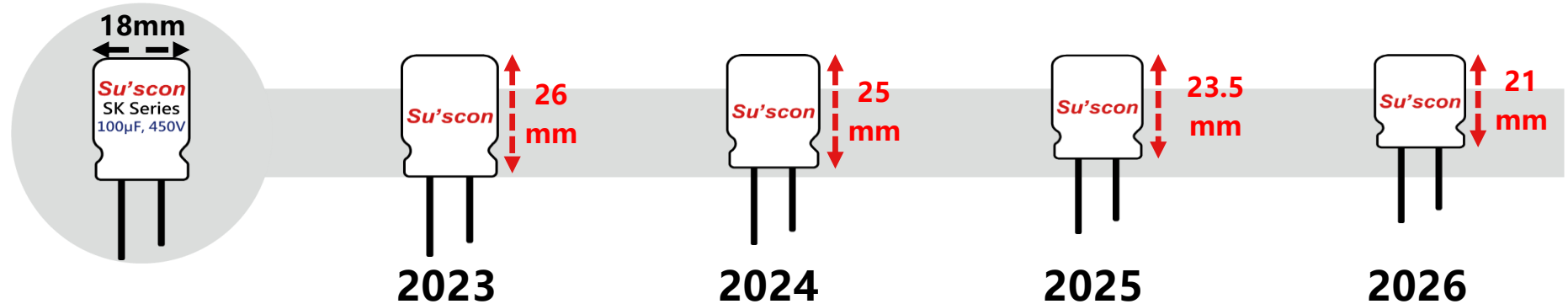


Product Miniaturization

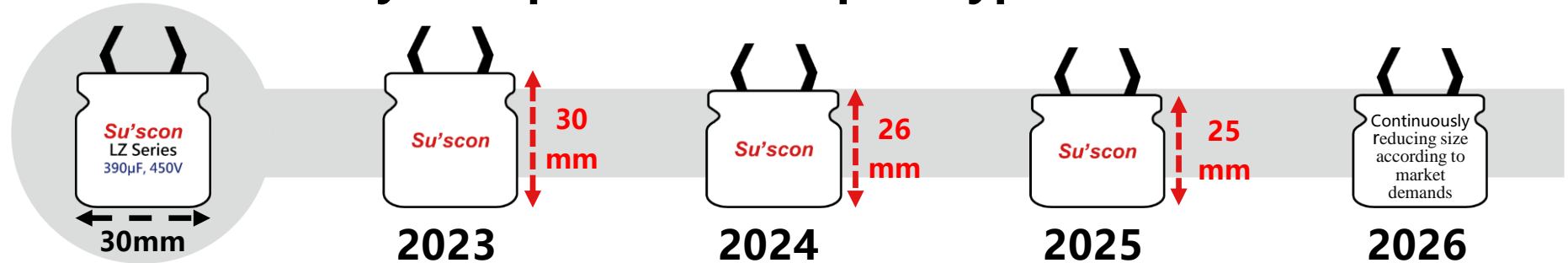
③ Polymer Capacitors - SMD Type



③ Aluminum Electrolytic Capacitors - Radial Type



③ Aluminum Electrolytic Capacitors - Snap-in Type



Product Road Map – Hybrid Capacitor

Radial Type: High temperature product (Automotive Electronics)



EX: 270 μ F/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

Product Road Map – 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

Product Road Map – Aluminum Electrolytic Capacitor

SMD Type: High Temperature Product (Automotive Electronics)



EX: 270μF/25V

CGL Series

Standard

125°C

2,000~3,000 hrs



CGH Series

Higher Temp. ↑

135°C

2,000~3,000 hrs



CBL Series

Higher Temp. ↑↑

150°C

1,000~3,000 hrs

2023

135°C
2,000 hrs



2024

150°C
1,000 hrs



2025

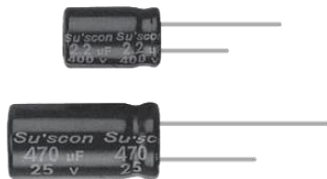
150°C
2,000 hrs



2026

150°C
3,000 hrs

Radial Type: High Temperature Product



UH Series

Standard

130°C

3,000 hrs



UR Series

Higher Temp. ↑

135°C

3,000 hrs



WH Series

Higher Temp. ↑↑

150°C

3,000 hrs

2023

UR
135°C
3,000 hrs



2024

WH
150°C
1,000 hrs



2025

WH
150°C
2,000 hrs



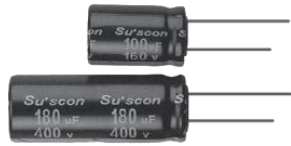
2026

WH
150°C
3,000 hrs

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

Product Road Map – Aluminum Electrolytic Capacitor

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

0.20 Ω /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

Product Road Map – Aluminum Electrolytic Capacitor

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
20,000 hrs



2024
WH
160~450WV
20,000 hrs



2025
WH
160~550WV
20,000 hrs



2026
Extended Product
Lifespan

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
2,000 hrs



2024
SHH
135°C
3,000 hrs



2025
WH
135°C
5,000 hrs



2026
SHW
135°C
7,000 hrs

Product Road Map – Aluminum Electrolytic Capacitor

Screw Type: Higher Working Voltage Product



- 5,000 hrs
- 650WV
- 85°C

Standard

650WV
5,000 hrs

Higher Working Voltage ↑

700WV
3,000 hrs

Higher Working Voltage ↑↑

730WV
3,000 hrs

2023

700WV
3,000 hrs

2024

730WV
3,000 hrs

2025

Develop based on
market demand

2026

Based on market
demands

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
1,000 hrs

2024

150°C
1,000 hrs

2025

150°C
2,000 hrs

2026

Continuously develop
higher temp. product

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

Major Clients

Automotive



Power



Major Clients

Telecom



Home Appliances



Others

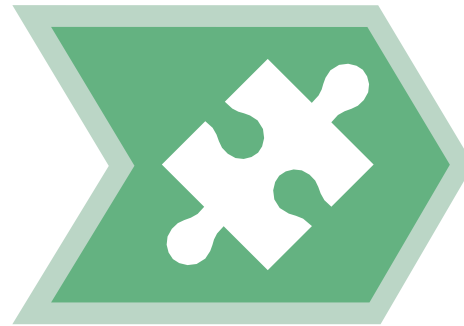


Our Service



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

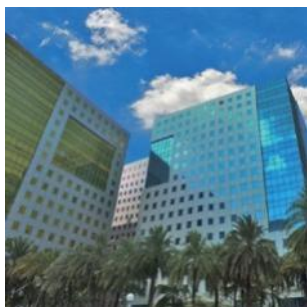
Replies to customer inquiries within 48 hours, ensuring delivery within 4 weeks, with special delivery times negotiable for earlier arrangements.



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.

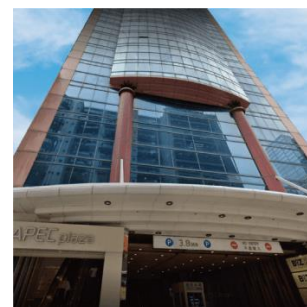
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Suzhou Branch

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Su'scon

Supporting Superior Condenser



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