



Life Testing Capacitor Solution Automation ^{with} Intelligence



Real-Time Data

Capacitance tan δ

Leakage Current ESR(Ω)



Ripple Current
@ 20A per set



High Temperature
@ 125°C



Seamless Automation Workflow

- High-temperature in-oven real-time monitoring.
- Automatic data capture — zero human involvement.
- Parallel testing up to 18 sample sets = 180pcs E-Cap.



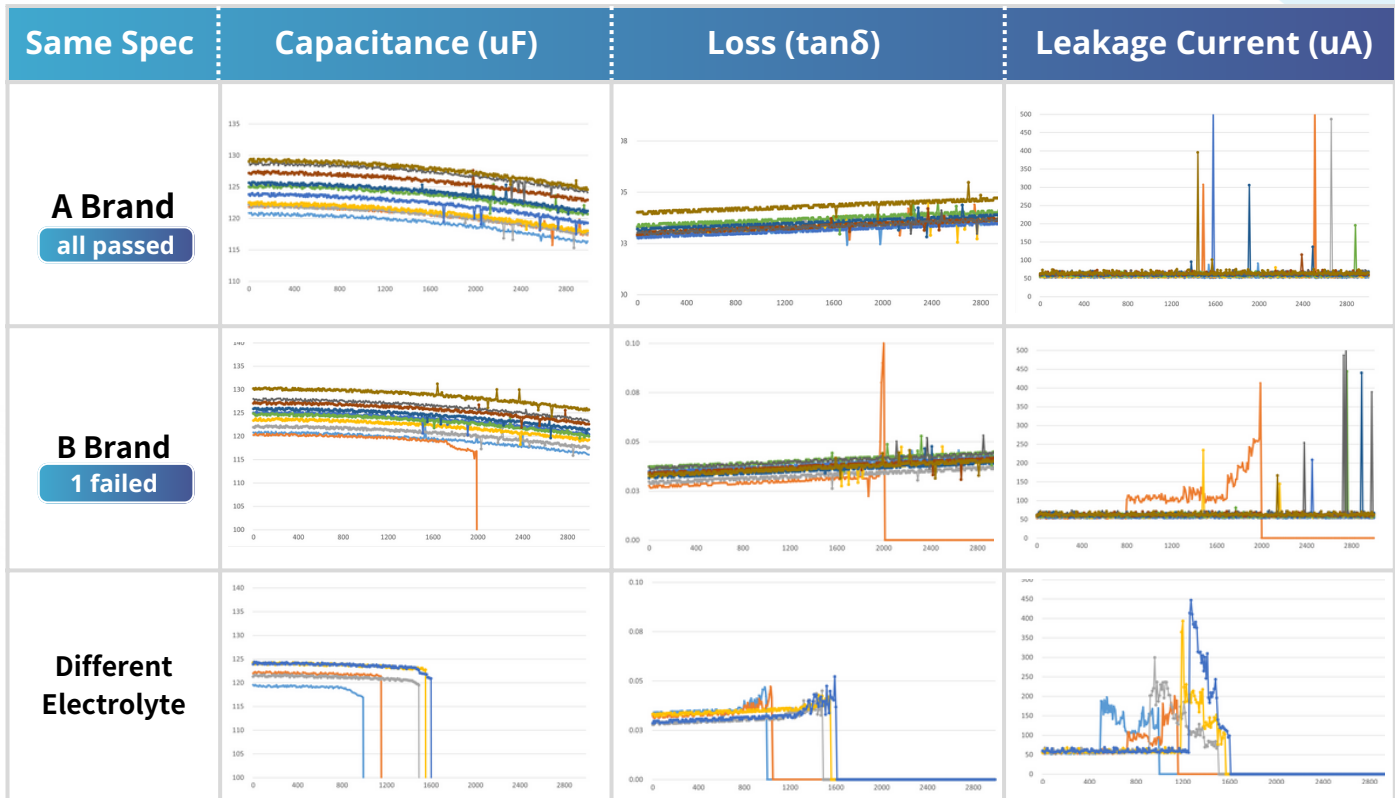
Intelligent Data Insights

- Capture daily aging performance data.
- Generate & export trend analysis data.
- Diagnoses capacitor failure causes.
- Identify hidden quality risks.

Contact Us for Demo: sales@taicon.com www.taicon.com

Data Analysis & Comparison

Radial | 450V~120uF | @ 105 °C



Automatic High Temperature Life Test System

Applicable Product Types	Lead-type / Snap-in E-Cap (SMD Launch in 2026)
Test Sample Capacity	Max: 180 pcs (18 sets × 10 pcs / same spec)
Measurement Parameters	Capacitance (μF) Loss (tanδ) Leakage Current(μA) ESR(Ω)
Test Power Output	18 Channels individually adjustable, DC Maximum output 550V, Ripple current up to 20A
Test Oven Temperature	Programmable up to 125 °C
Intelligent Life Test Software (PC-Based)	Automatic precision measurement · Real-time data monitoring · Remote environment Control· Intelligent dashboard · Trend analysis · Data history retrieval · Excel export·Safe shutdown
Auto Measurement Frequency	Up to 1 hour per channel in 18-channel polling, depending on sample count
Machine Dimensions	2410(W) × 1300(D) × 1920(H) mm (Height without wheels and top fan: 1570 mm)



Taicon Technology Corporation
 Smart Solutions for Capacitor Manufacturing: AI+AOI | Auto-Testing | Quality Management Platform