SUZHOU SUSHI TESTING GROUP CO., LTD

STI ENVIRONMENTAL RELIABILITY LABORATORY CO.,LTD

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SUZHOU SUSHI TESTING GROUP CO., LTD

To extend Southeast Asia Market, Promote the process of internationalization of Suzhou Sushi Testing Group establish the first overseas Subsidiary Corporation in Thailand: STI Environmental Reliability Laboratory Co., Ltd. STI Thailand business is to provide the Environmental reliability tests and test instruments to customer. We will provide the best test services and test instruments to Thailand and Southeast Asia Customers.

Main test:

- Vibration test
- Temperature humidity test
- Salt spray test
- IPX test
- Drop test
- Shock test
- Battery cell and pack tests
- Other complex tests

Etc.

Main test instrument:

- Vibration test system
- Temperature / Humidity chamber
- Combined test system: vibration, temperature, humidity, light etc.
- Thermal shock chamber
- Salt spray chamber
- IP chamber
- Shock tester
- Drop tester
- Battery pack/module/cell charge discharge system

Etc.

Test capacity

1. Vibration，temperature，humidity combined test system　3sets

Vibration test system
Information：Vibration test system is a kind of test instrument to simulate different complex vibration environment, to check the sample in different frequency range, acceleration, displacement vibration environment.
We have three small and big vibration test system, can do the electronic, automobile parts，whole system vibration tests.

Test Standards：MIL-STD, IEC, ASTM, ISO, ISTA

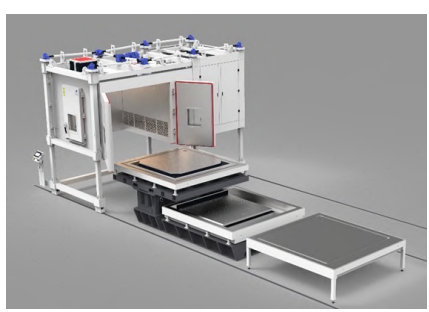
System type	Specification	Table size(H&V)
Vibration system	Rated force: 49kN	1200mm/800mm
	Rated force: 52.9kN	1500mm/800mm
	Rated force: 392kN	3000mm/2000mm

Combined temperature humidity chamber　3sets

Information：The THV series combined environmental chamber is a special kind of chamber which can be fixed with vibration shaker, this kind of system can do different kind of combined tests such as: vibration, temperature, humidity, light etc. tests, can simulate the real complex combined environment for the test sample, customer may find the sample problems which can not happen in just one kind of environment.

Standards：ISO, IEC, ISTA, ASTM, MIL-STD

System type	Specification	
Combined chamber	Size: 1.5×1.5×1.5 m. Temp. range: -70~150℃ Temp. change rate: 10℃/min Humidity: 25%RH~98%RH	☑ 1 set
	Size: 1.8×1.8×1.5 m. Temp. range: -70~150℃ Temp. change rate: 5℃/min Humidity: 25%RH~98%RH	☑ 1 set
	Size: 3.0×3.0×2.6 m. Temp. range: -70~150℃ Temp. change rate: 5℃/min Humidity: 25%RH~98%RH	☑ 1 set



2.Temperature humidity chamber 30sets

Information：High and low temperature humidity chambers can provide high temperature, low temperature, and humidity simulation conditions, and are used for temperature related environmental tests or reliability tests of materials, components, assemblies, parts, instruments and small equipment in the fields of aviation, aerospace, automobile, shipbuilding, information, electronics, etc.

Standards：ASTM, IEC, MIL-STD, ISO, ISTA

Size: 700mm.×800mm.×900mm. Temp. range: -70~150℃ Humidity: 25%RH~98%RH Temp. change rate: 3℃/min	27 sets
Size: 1m.×1m.×1m. Temp. range: -70~150℃ Humidity: 25%RH~98%RH Temp. change rate: 5℃/min	2 sets
Size: 1m.×1m.×1m. Temp. range: -70~150℃ Humidity: 25%RH~98%RH Temp. change rate: 15℃/min	1 set

3.Thermal shock test chamber 2sets

Information: TSM series thermal shock chamber can be used for environmental simulation, reliability test and stress screening test of complete machines, components, parts and materials of electronic products. TSM series thermal shock chamber can provide two test spaces, high temperature and low temperature. The specimens are transferred between the two spaces through a basket to achieve thermal shock with rapid temperature changes between upper and lower temperature limits.

Standard: IEC, ISO, MIL-STD, JEDEC

Working Size: 600mm.×700mm.×600mm. Temp. range: -60~170℃ Change rate: 15s	1 set
Working Size: 1000D×1000W×1000H mm. Low temperature size: 1310D×1550W×1300H mm. High temperature size: 1310D×1550W×1300H mm. Temp. range: -60~170℃ Change rate: 15s	1 set

4.Salt spray test chamber 1set

Information: The Salt Spray Test Chamber (Size: 3m × 2.1m × 2m) is designed for advanced corrosion testing with a temperature range of 20℃ to 70℃ and a salt spray output of 1–3 mL/80cm³/h. This chamber supports a wide variety of testing modes including alternating salt spray tests, salt spray/dry cycle tests, brine spray tests, AASS (acetate salt spray), CASS (copper-accelerated acetate salt spray), as well as wet heat, dry heat, low temperature, and standard atmospheric condition tests. It provides flexible environmental simulation capabilities for validating the durability of automotive components, electronics, coatings, and materials.

Standard: ASTM, ISO, JIS, MIL-STD, IEC.

Size: 3m.×2m.×1m.

Temp. range: 20℃~70℃

Salt: 1~3mL/80cm³/h

Can be used for alternating salt spray test; Salt spray, dry alternating test; Other: brine spray test, AASS acetate salt spray test, copper accelerated acetate salt spray test, wet heat test, dry test, low temperature test, standard atmospheric environment test or other combination of composite test conditions.

☑ **1 set**

5.IPX1～6-9K chamber 1set

Information: The IPX1～6-9K Waterproof Test Chamber (Size: 1.4m × 1.4m × 1.4m) is designed to simulate various levels of water ingress protection in compliance with international IP standards. It supports comprehensive waterproof testing including IPX1 (vertical dripping), IPX2 (tilted dripping), IPX3/IPX4 (spraying and splashing), IPX5/IPX6 (water jet), and IPX9K (high-pressure, high-temperature water spray). Ideal for evaluating the water resistance of electronic devices, automotive components, and outdoor equipment under extreme environmental conditions.

Standard: IEC,ISO

Size: 1.4m.×1.4m.×1.4m.

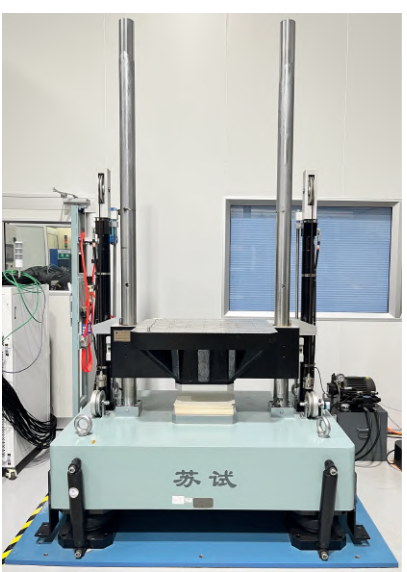
Test: X1, X2, IPX3/X4, IPX5/X6, IPX9K

1 set

6.Shock tester 1set

Information: Shock Tester is designed for high-precision mechanical shock testing of electronic components, automotive parts, and aerospace equipment. With a maximum load capacity of 200 kg and a table size of 800 × 600 mm, the system supports half sine wave shock profiles with acceleration ranging from 15 to 500 g, pulse durations between 1–30 ms, and a maximum drop height of 1,600 mm. It is ideal for simulating real-world mechanical impact conditions to evaluate product durability and structural integrity.

Standard: ASTM, ISTA, MIL-STD.ISO



Max Load mass: 200KG

Acceleration: Half sine 15-500g

Pulse time: 1-30ms

Table size: 800x600mm.

1 set

7.Drop tester 1set

Information: Drop Tester is engineered to evaluate the impact resistance and packaging reliability of large and heavy products during free-fall conditions. With a drop height adjustable from 0 to 1,500 mm, it supports test items (DUT) up to 2,200 × 2,200 × 12,000 mm in size and a maximum load capacity of 300 kg. This system is ideal for assessing product robustness, packaging integrity, and shock absorption performance under handling, shipping, or accidental drop scenarios.

Standard: ASTM, ISTA, MIL-STD, ISO

Height: 0-1500mm. Max DUT size: 2200mm.×2200mm.×12000mm. Max Load Mass: 300kg	1 set

8.Battery Charge/discharge system 428channels

Information: Battery Charge/Discharge System is a high-performance testing platform designed for evaluating battery cells, modules, and packs under various current and power conditions. The system delivers a total power of 400 kW with current ranges of 10A to 600A across multiple configurations. Providing flexible and scalable multi-channel testing capability. Ideal for R&D, quality control, and reliability assessment in battery production and electric vehicle applications.

Standard: IEC, UL and UN 38.3

Power: 400KW Current: 600A, 0~50A, 50~300A, 300~600A Channel number: 2	1 set
Current: 30A, 50A, 100A Channel number: 224	7 sets
Current: 10A, 50A, 300A Channel number: 120	15 sets
Current: 100A, 300A, 600A Channel number: 80	10 sets

9. Adiabatic temperature rise tester 1Set

Information: The Adiabatic Temperature Rise Tester is a testing device used to evaluate the thermal runaway behavior of battery cells or chemical substances under adiabatic (no heat loss) conditions. The test simulates real-world failure scenarios where internal heat cannot dissipate, allowing observation of self-heating reactions and thermal stability.

Test Standards: GB/T 36276-2023; UL 9540A:2025

Module	Specification	Description
Needle Penetration	Stroke: 0-80mm. Speed: 0.1-100mm./s	Needle Penetration Testing
Heating Wire	≤80A, ≤40V, ≤1500W. 1mm., 1500/3000mm.	Programmable heating current
Specific Heat Test	±5% Accuracy	Constant power & comparative method
Gas Monitoring	Vacuum pump: 7.2m³/h.	Monitor gases from reactions
Sealed Tank	Φ272×360mm. Pressure: 0-2MPa	Sealed gas detection
Charging/Discharging	4 Channels, 5V 100A each	CC/CV Mode
Temp. Measurement	10-32 Channels, -100~1300℃	N-type Thermocouples
Camera Module	4MP, 25fps, H.265	Visible-light camera, 128GB

Category	Parameter	Description
Combined chamber	Operating Modes	HWS, Scanning, Isothermal, Specific Heat, Temperature Baseline, Heat Generation, GB/T 36276 Adiabatic Rise
	Measurable Parameters	Specific heat, heat generation, thermal runaway, adiabatic rise rate
	Adiabatic Chamber	Φ420mm.xDepth520mm.
	Temp. Control range	RT +5°C~300°C
	Temp. Stability	±0.05°C
	Temp. Resolution	0.001°C
	Sensitivity	0.02~0.05°C/min
	Tracking Rate	0.02~13°C/min
Electrical System	Power Supply	3-Phase, 8400W
	Data Logging	Multidimensional Sync
	Thermal Analysis	Thermodynamics & Kinetics
	Battery Mount	Included
	Explosive-Proof	3.5mm. Thick box
	Ventilation	High-flow

☑ 1 set

10. The High-Low Temperature Battery Short Circuit Tester 1Set

Information:
The High-Low Temperature Battery Short Circuit Tester is a new generation device specially developed for high-capacity power and energy storage batteries used in vehicles or other applications. It can simulate a short-circuit condition by providing different high-current resistances. During the test, the equipment is capable of monitoring current variation and temperature changes on different surfaces or different points of a single battery. All data can be stored and exported in numerical or graphical formats. It is an ideal instrument for research, 3testing, and evaluation of power and energy storage batteries.

Test Standards: GB/T 36276-2023, GB/T 36276-2018, GB 38031-2020, GB/T 36972-2018, IEC 62619-2017, GB 31241-2014, GB/T 18332.2-2001, UN38.3

Item	Specification
Short Circuit Temperature Range	25°C ~ +120°C
Heating Wire	Approx. 1000×1000×1200mm. (W×H×D)
Resistance Range	0.5~10mΩ, Adjustable 1mΩ, 10~100mΩ, Adjustable 10mΩ
Short Circuit current	0~4000A Accuracy: 0.3%FS
Voltage Range	0~5V and 0~30V Accuracy: 0.1%FS
Data Acquisition Frequency	≥10KHz

Short Circuit Tester Detailed parameters	0.5~100mΩ (including but not limited to 1mΩ; 5mΩ; 20mΩ; 40mΩ; 50mΩ; 80mΩ; 100mΩ)10mΩ or less, Adjustable in 1mΩ increments, 10-100mΩ Adjustable in 10mΩ intervals.
	0.5~5mΩ, all devices in the short circuit loop are allowed to withstand current ≥4000A, Duration ≥600s, Continuous current resistance 1000A
	6mΩ~25mΩ all devices in the short circuit loop are allowed to withstand current ≥1000A, Duration ≥600s, Continuous current resistance 500A
	>25mΩ All devices in the short circuit loop are allowed to withstand current ≥500A, Duration ≥600s, Continuous current resistance 100A
	Loop resistance tolerance range: ≤±0.1mΩ at 1mΩ, -5% or more at other positions Certainly
	Inductance value: < 5mΩ, ≤10uH (100Hz~100kHz)

☑ **1 set**

11. Servo-controlled forced internal short-circuit tester 1Set

Information:

The Servo-controlled Forced Internal Short-circuit Tester simulates internal short circuits in lithium-ion batteries caused by tiny metal particles, allowing evaluation of battery safety under controlled laboratory conditions. It measures voltage and thermal behavior during testing, provides data for product optimization, and ensures compliance with forced internal short-circuit requirements in various international standards. The tester uses precise servo-controlled force and displacement to reproduce realistic internal short-circuit conditions for both cylindrical and prismatic battery cells.

Test Standards: IEC 62133-2012, JIS C 8714:2007, IEC 62619-2022, IEC 62660-4, GB 44240-2024

System Types	Specification
Max. Test Force	1 kN (optional configurations available)
Force Range	0 ~ 1000 N
Force Resolution	0.01 N
Force Accuracy	≥200 N: ±0.5%; <200 N: ±1 N
Test Travel	300 mm. (excluding fixtures)
Displacement Resolution	0.001 mm.
Displacement Accuracy	≤±0.5%
Test Speed	0.01 ~ 20 mm/s (adjustable)
Speed Resolution	0.001 mm/s
Sped Accuracy	≤±0.5% or ≤±0.01 mm/s
Maximum Test Size	W400 × D400 mm.
System Sampling Rate	1 ~ 200 Hz (adjustable)
Voltage Measurement	0 ~ 10 V DC, accuracy ±0.05% FS, 2 channels, resolution ±0.01% FS
Voltage Sampling Rate	1 ~ 1000 Hz (adjustable)
Temperature Measurement	0 ~ 1300°C (sensor dependent), accuracy ±1°C, ≥8 channels, resolution 0.1°C
Temperature Sampling Rate	1 ~ 1000 Hz (adjustable)

☑ 1 set

12. High and low temperature, humidity and low-pressure test chamber 1Set

Information:
SDPThe series of low pressure test chambers can provide high temperature, low temperature, altitude, humidity and other environmental simulation conditions, and are used for temperature and altitude related environmental tests or reliability tests of materials, components, assemblies, parts, instruments and small equipment in the fields of aviation, aerospace, automobile, shipbuilding, military, information, electronics, etc.

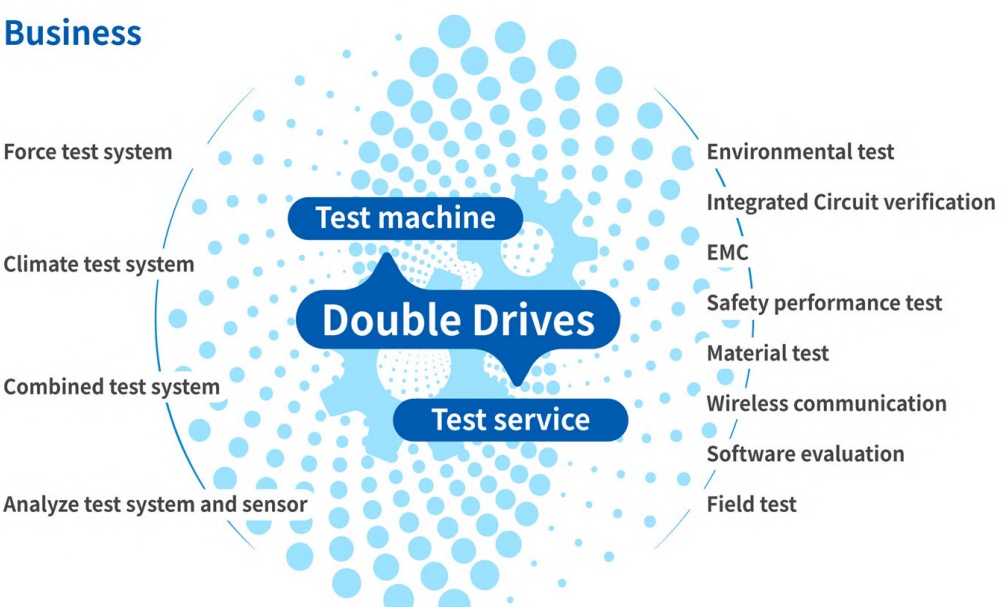
Test Standards: GB/T 5170.1-2016, GB/T 5170.2-2017, GB/T 5170.5-201, GB/T 5170.10-2017, UN38.3-2023

System type	Specification	
High and low temperature, humidity and low-pressure test chamber	Size: 1000mm.×1000mm.×1000mm. Temp. range: -70~200°C Temperature fluctuation (°C): ≤1 (normal pressure, no load) Temperature uniformity (°C): ≤2 (normal pressure, no load) Temperature deviation (°C): ≤±2 (normal pressure, no load) Temperature change rate: average≥2°C/min (- 55°C～+85°C, normal pressure, no load, no heating load) Humidity range: Temperature+20°C～+85°C range, humidity20%~98%RH (normal pressure, no heat load) Temperature+20°C～+75°C range, humidity20%~95%RH (Air pressure≥54kPa, no heat load) Humidity deviation: ≤75%RHhour:≤±5%RH (Tested under normal pressure and no-load conditions) >75%RHhour:≤+2- 3%RH Pressure Range: Normal pressure 0.5 kPa Rapid pressure reduction: ≤15s（75.2KPa～11.5KPa) Pressure recovery rate: ≤10.0kPa/min Pressure error: ≥40 kPa: ≤±2 kPa 4 kPa ~ 40 kPa: ≤±5% kPa ＜4 kPa: ≤±0.1 kPa	☑ 1 set

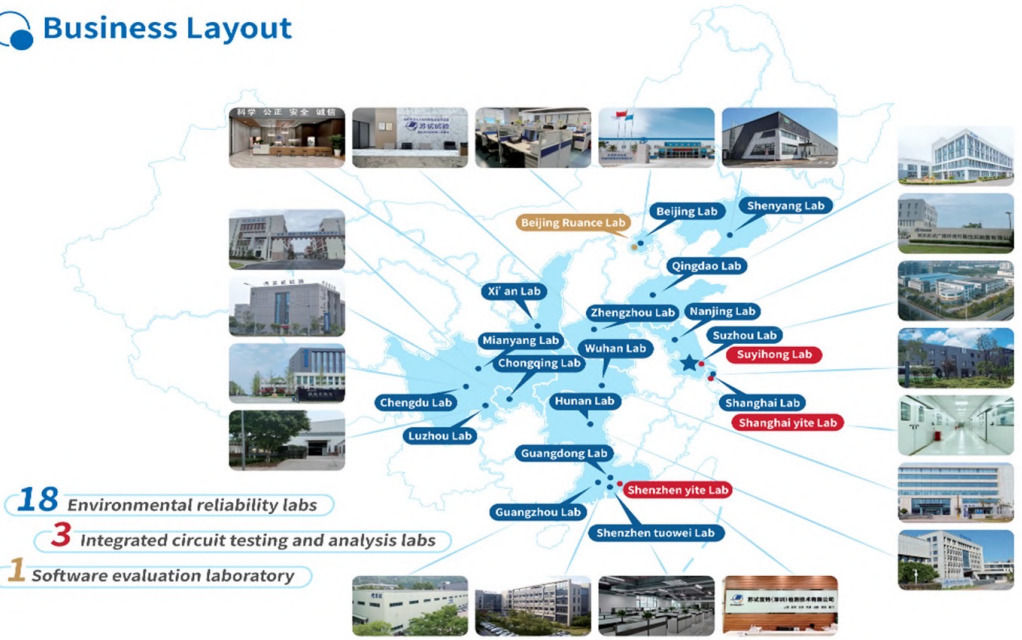
SUZHOU SUSHI TESTING GROUP CO.,LTD (SST) is a provider of environmental reliability test and comprehensive analysis service solutions for industrial products, committed to the development and production of environmental test equipment, providing customers with environmental reliability test services for the whole industrial chain from chips, components to end products.

- **Capital stock：73 million USD**
- **Employee：2700**

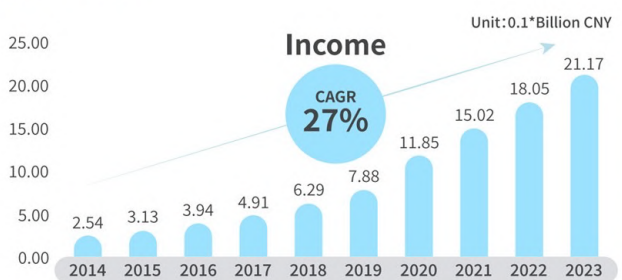
Business

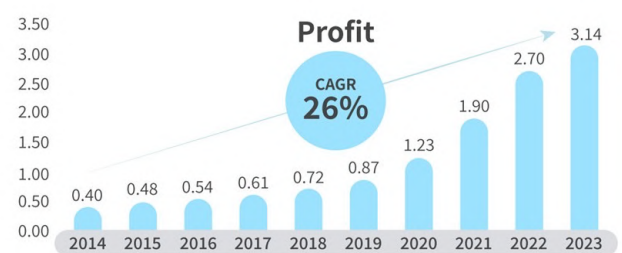


Business Layout



Growth





Ground

2014	2023
5.9	24.98

million square meters

Value of equipment

2014	2023
0.062	1.489

Billion CNY

Employee

2014	2023
434	2706