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环境可靠性试验仪器服务商
Environmental Reliable Test Equipment Supplier

成都一力科技有限公司
CHENGDU YILI TECHNOLOGY CO.,LTD

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成都一力科技有限公司

CHENGDU YILI TECHNOLOGY CO.,LTD

成都一力科技有限公司位于四川省成都市高新区，是一家专注于环境可靠性检测设备设计、研发、生产制造及实验室专项规划为一体的智能科技型企业，公司立志成为全球具有影响力的环境仪器设备供应商。成都一力科技有限公司秉承“诚信、创新、卓越、共赢”的发展理念，引进国内外先进人才和技术，结合公司自主研发的智能控制系统，致力于用高品质和可靠性的检测仪器来提升客户的产品品质和竞争力。公司目前拥有大量行业经验丰富的设计与制造经验工程技术人员和多年技术与工艺成果的积累，产品开发始终坚持自主研发与创新，并严格遵循GB/ISO/UL/EN/ASTM/IEC等国内外标准，为客户提供有竞争力的环境可靠性试验检测设备。公司产品被广泛应用于国内外航空、航天、电子等军工单位，以及电子通讯、IT、医疗、高等院校、科研单位等领域，并深受用户好评！

Introduction to Chengdu Yili Technology Co., Ltd. Chengdu Yili Technology Co., Ltd. is located in the High tech Zone of Chengdu City, Sichuan Province. It is an intelligent technology enterprise that focuses on the design, research and development, production and manufacturing of environmental reliability testing equipment, and special laboratory planning. The company aims to become a globally influential supplier of environmental instruments and equipment. Chengdu Yili Technology Co., Ltd. adheres to the development concept of "integrity, innovation, excellence, and win-win", introduces advanced talents and technologies from home and abroad, and combines with the company's independently developed intelligent control system, committed to using high-quality and reliable testing instruments to improve customer product quality and competitiveness. The company currently has a large number of experienced design and manufacturing engineering and technical personnel in the industry, as well as years of accumulated technical and process achievements. Product development always adheres to independent research and innovation, and strictly follows domestic and foreign standards such as GB/ISO/UL/EN/ASTM/IEC, providing customers with competitive environmental reliability testing and testing equipment. Our company's products are widely used in military industry units such as aviation, aerospace, electronics, as well as in fields such as electronic communication, IT, medical care, higher education institutions, and research institutions both domestically and internationally, and are highly praised by users!

目录 Contents

双路高温气动活门测试台
Dual-way high-temperature pneumatic valve test platform

该测试台主要用于测试各型飞机气动附件的功能和性能，如防冰活门、压力调节活门、配平活门、单向活门、流量控制活门、引气活门、起动机控制活门、高阶活门、旁通活门等。该测试台由我公司自主研发生产，系统调压阀、流量计、阀门、控制系统等关键零部件均采用进口产品，具备飞机气动附件的全自动测试功能和高精度调压、温控性能，可模拟飞机气动附件在不同飞行高度中的环境压力和环境温度，当通过大流量高温高压气体时，测试气动附件的工作状态、性能和参数。

This test bench is mainly used to test the functions and performance of various types of aircraft pneumatic accessories, such as anti icing valves, pressure regulating valves, balancing valves, This test bench is independently developed and produced by our company, and key components such as pressure regulating valves, flow meters, valves, and control systems are all imported products. It has the fully automatic testing function of aircraft pneumatic accessories and high-precision pressure and temperature control performance. It can simulate the environmental pressure and temperature of aircraft pneumatic accessories at different flight altitudes. When passing through high flow, high temperature, and high pressure gas, the working status, performance, and parameters of the pneumatic accessories are tested.

◆ 主要技术参数 Main technical parameters

项目 project	数据 data
内箱尺寸 Size of inner box	D1000×W1000×H1000mm
外形尺寸 External dimensions	D11000×W7680×H3950mm
模拟环境压力范围 Simulate the environmental pressure range	10kPa~100kPa（绝压），降压时间：常压—10kPa，时间≤30min 10kPa – 100kPa (absolute pressure) , hypotension time: normal pressure – 10kPa, time ≤30min
环境压力控制精度 Environmental pressure control accuracy	a.>25kPa：±2kPa；b.（25~10）kPa：±5%；压力变化速率可调。 A. > 25 kpa: ± 2 kpa; b. (25 – 10) kPa: ± 5% , the rate of pressure change is adjustable.
模拟环境温度范围 Simulated ambient temperature range	−70°C~180°C，温度控制精度：±2°C。 70 ° C – 180 ° C, temperature control accuracy: ± 2 ° C.
气动附件测试回路数量 Number of pneumatic accessory test circuits	两路 Two ways
系统压力 System pressure	设计压力3MPa，工作压力：2.4MPa，压力控制精度：±0.01MPa design pressure 3 mpa, working pressure: 2.4 mpa, pressure control precision: ± 0.01 MPA
系统温度 System temperature	设计温度550°C，工作温度：450°C，温度控制精度：±1°C design temperature 550 ° C, OPERATING TEMPERATURE: 450 ° C, temperature control accuracy: ± 1 ° C
系统流量 System flow	最大流量2000kg/h，流量监测精度：±1%RS maximum flow 2000 kg/h, the precision of flow monitoring is ± 1%RS
系统具备气动附件内外漏测试 The system has pneumatic accessories with internal and external leakage test	泄漏流量测试量程和精度：1-30kg/h，精度1%FS。 The measuring range and precision of leakage flow are 1–30kg/h, and the precision is 1% FS.
系统调压阀调节压力范围 The system pressure regulating valve regulates the pressure range	5psi-600 psig，使用温度范围：-254° to +204°C，测试件状态稳定后设定压力在1分钟内达到稳定值，并且调节的压力和设定值的偏差在±0.01Mpa，动态调节过程中的超调量不大于设定值的1.5%。 5psi-600 psig, using temperature range: -254 ° to + 204 ° C, the set pressure reached a stable value within 1 min after the condition of the test piece was stabilized, and the deviation between the adjusted pressure and the set value was ± 0.01 mpa, the overshoot during dynamic adjustment is less than 1.5% of the set value.
配置电源 configuration power	系统选配ITECH生产的IT63603直流电源。 ITECH IT63603 DC power supply is selected for the system.

备注：技术参数、设备尺寸可定制（Note: Technical parameters and equipment size can be customized)

步入式恒温恒湿实验室
Walk-in constant-temperature and constant-humidity laboratory

该产品主要针对军工、电子产品及元器件和航空航天材料的温湿度环境模拟测试，符合军标GJB150.3高温试验方法，GJB150.4低温试验方法，带湿度的试验箱符合GJB150.9湿度试验方法，及美军表MIL-STD-810D，还可满足国家标准GB/T2423.1、2、3、4项《电工电子产品基本环境试验规程》的试验要求。产品引进日本加湿水系统和进口湿度传感器，并采用独特的平衡调温（湿）技术，具有稳定平衡的加热能力，可进行高精度，高稳定的温（湿）度控制。

The product is mainly for the temperature and humidity environment simulation test of military, electronic products and components and aerospace materials, in line with the military standard GJB150.3 high temperature test method, GJB150.4 low temperature test method, the test chamber with humidity conforms to the GJB150.9 humidity test method, and the US military table MIL-STD-810D, but also meets the test requirements of the national standard GB/T2423.1, 2, 3 and 4 "Basic Environmental Test Regulations for Electrical and Electronic Products". The product introduces Japanese humidification water system and imported humidity sensor, and adopts unique balanced temperature (humidity) technology, which has a stable and balanced heating capacity, and can carry out high-precision and high-stability temperature (humidity) control.

◆ 主要技术参数 Main technical parameters

项目 project	数据 data
温度范围 Product name	-40~+150℃（-20~+150℃可选）-40~+150℃ (-20~+150℃ optional)
湿度范围 Humidity range	+15~+85℃ 20%~98%RH
温度波动度 Temperature fluctuation	≤+0.5℃
温度均匀度 Temperature uniformity	≤2.0℃
温度偏差 temperature departure	≤±2.0℃
温湿度偏差 Temperature and humidity deviation	≤±2.0℃/+2，-3%RH
升温时间 Warming time	-40~+150℃ 60分钟以内 -40~+150℃ within 60 minutes
降温时间 Cooling time	+20~-40℃ 50分钟以内 -40~+40℃ within 50 minutes
外壳材料 Housing material	镀锌钢板喷塑 Galvanized steel spray
内胆材料 Liner material	不锈钢板表面研磨加工 Stainless steel surface grinding processing
隔热材料 Thermal insulation material	硬质聚胺脂发泡沫+超细玻璃棉 Hard polyamine hair foam + ultra fine glass wool
制冷方式 Refrigeration mode	机械压缩式复叠制冷（风冷）Mechanical compression cascade refrigeration
制冷机 refrigerator	全封闭往复式 Fully enclosed reciprocating
冷媒 refrigerant	环保型 Fully enclosed reciprocating

备注：技术参数、设备尺寸可定制（Note: Technical parameters and equipment size can be customized)

冷热冲击试验箱
Thermal shock test chamber

冷热冲击试验箱适用于航空、太阳能光伏组件、电池、汽车部件、LED光电、半导体、汽车、家电、科研等领域电子元气件的安全性能测试提供可靠性试验、产品筛选试验等，主要功能是测试和确定电工、电子及其他产品及材料进行高低温试验的温度环境冲击变化后的参数及性能；同时通过此装备试验，可提高产品的可靠性和进行产品的质量控制。

The thermal shock test chamber is suitable for the safetyperformance testing of electronic components in aviationsolar photovoltaic modules, batteries, automotive parts, LED optoelectronics, semiconductors, automobiles, home appliances, scientific research and other fields, providing reliability tests, product screening tests, etc., the main function is to test and determine the parameters and performance of electrical, electronic and other products and materials after the temperature and environmental impact changes of high and low temperature tests; At the same time, through this equipment test, the reliability of the product and the quality control of the product can be improved.

◆ 主要技术参数 Main technical parameters

项目 project	数据 data
内箱尺寸 Size of inner box	W600×D600×H600mm
外箱尺寸 Dimensions of cartons	W900×D700×H1350mm
机器总重量 Total weight of the machine	150KG
开门方式 Open the door way	单开门(右边开) Single Door (open on the right)
冷却方式 Cooling mode	风冷式 Air-cooled
电源功率 Power supply power	AC 380V 4KW
负载 Load	300W heat capacity 5kg aluminum sheet
工作噪声 Work Noise	A声级≤65dB(A)(大门前1m离地面高度1.2m处，自由空间中测量) A sound level ≤65 db (a)(measured in free space at 1.2 m above ground height 1 m in front of the gate)
温度范围 Temperature range	RT+10℃～+200℃
温度精度 Temperature accuracy	≤2℃ 300W发热量 5kg铝片
温度均匀度 Temperature uniformity	≤2℃（RT+10℃～200℃）
升温速率时间 Heating rate time	≥5℃/分钟（线性）（RT+10℃～150℃）≥5℃/分钟（非线性）（150℃～200℃） ≥5° C/min (linear)(RT + 10° C-150° C)≥5° C/min (nonlinear)(150° C-200° C)

备注：技术参数、设备尺寸可定制（Note: Technical parameters and equipment size can be customized）

快速温度变化试验箱
Rapid temperature change test chamber

该产品主要功能为模拟气候环境温度变化，运用温度加速技巧(在上、下限极值温度内进行循环时，产品产生交替膨胀和收缩)改变外在环境应力，使测试件产生热应力和应变，透过加速应力来检验测试件的性能和潜存的瑕疵。该产品适用于航空航天产品、信息电子仪器仪表、材料、电工、电子产品、各种电子元器件在温度快速转变的情况下检验产品的各项性能指标。该产品配套的主要传感器和功能元器件均为进口配件，能够适应长期、稳定、安全、可靠的测试需求，使用、操作、维修方便，使用寿命长，造型美观，有良好的用户界面，使用户的操作和监测都更加简单和直观。

The main function of the product is to simulate the temperature change of the climate environment, and use the temperature acceleration technique (when the product is cycled in the upper and lower extreme temperatures, the product produces alternate expansion and contraction) to change the external environmental stress, so that the test piece produces thermal stress and strain, and the performance and potential defects of the test piece are tested through accelerated stress. The product is suitable for aerospace products, information electronic instrumentation, materials, electrical, electronic products, and various electronic components to inspect the performance indicators of the product under the condition of rapid temperature change. The main sensors and functional components of the product are imported accessories, which can adapt to long-term, stable, safe and reliable testing needs, easy to use, operate and maintain, long service life, beautiful appearance, and good user interface, so that the user's operation and monitoring are more simple and intuitive.

◆ 主要技术参数 Main technical parameters

项目 project	数据 data
结构方式 Structure	整体拼装式 Integral Assembly type
内体材料 Body material	SUS#304 耐热耐寒不锈钢板（1.2mm）内箱结构全无缝焊接 Sus # 304 heat and cold resistant stainless steel plate (1.2 mm) inner box structure seamless welding
内部结构加强 The internal structure is strengthened	SUS#304 2mm 厚不锈钢加固 Sus # 3042mm thick stainless steel reinforcement
外箱材质 Material of outer box	电解钢板，酸洗磷化高级粉体烤漆 Electrolytic steel plate, pickling phosphating high-grade powder paint
保温材质 Insulation material	德国拜耳耐火级高强度 PU 聚氨酯发泡保温绝缘材料+超细玻璃纤维 Germany Bayer refractory grade high strength PU polyurethane foam insulation material + ultrafine glass fiber
温度范围 Heat preservation range	-70～+180℃（常温到达最低温 30 分钟/常温到最高温 30 分钟） -70 ~ +180℃ (30 minutes to the lowest temperature at room temperature / 30 minutes to the highest temperature at room temperature)
升降温时间 Temperature Rise and fall time	温度最小变化速率≥6℃/min（标准负载下，-55～70℃，全程平均，入风区控制点测量）50Kg铝锭，700W 发热量 Minimum temperature change rate ≥6℃/min (under standard load, -55 ~ 70℃, the whole a verage, measured at the control point in the inlet air area) 50Kg aluminum ingot, 700W caloric value
温度偏差 Temperature Deviation	≤±1.5℃（恒定状态时）≤ ± 1.5℃ (constant state)
温度波动度 Temperature fluctuation	≤±0.25℃
温度均匀度 Temperature uniformity	≤±2°（温度>70℃，湿度≥80%RH）± 2° (Temperature > 70° C, humidity ≥80%RH)
温度分辨率 Temperature resolution	0.01℃
快速温变范围 Rapid temperature range	-55℃～150℃
升温速率 Heating rate	≥6℃/min 全程平均（标准负载下，-55～+70℃，全程平均）50Kg 铝锭，700W发热量。 ≥6℃/min the whole process average (under standard load, -55 ~ +70℃, the whole process average) 50Kg aluminum ingot, 700W calorific value.
降温速率 Cooling rate	≥6℃/min 全程平均（标准负载下，-55～+70℃，全程平均）50Kg 铝锭，700W发热量。 ≥6℃/min the whole process average (under standard load, -55 ~ +70℃, the whole process average) 50Kg aluminum ingot, 700W calorific value.
标准负载能力 Standard load capacity	50kg 铝片，700W 发热量50kg aluminum sheet, 700W heat
湿度范围 Humidity range	20%R.H～98%R.H

备注：技术参数、设备尺寸可定制（Note: Technical parameters and equipment size can be customized）

高低温交变湿热试验箱

High and low temperature alternating damp and heat test

该产品为模拟湿热的环境试验机，广泛适用于电工，电子产品，航空，汽车，家电，涂料，化工，科研等领域。用于测试和确定电工，电子及其它产品及材料在不同温度，湿度条件下，其耐潮湿，耐干燥的能力及高温，低温环境下的存储，运输和使用的适应性试验。

The product is an environmental testing machine that simulates damp heat, and is widely used in electrical, electronic products, aviation, automobiles, home appliances, coatings, chemical industry, scientific research and other fields. It is used to test and determine the adaptability of electrical, electronic and other products and materials under different temperature and humidity conditions, their ability to resist humidity and drying, and the adaptability of storage, transportation and use in high temperature and low temperature environments.

◆ 主要技术参数 Main technical parameters

项目 project	数据 data
温度范围 Temperature range	-20℃～+225℃
电源功率 Power supply	220V/5KW\220V/6KW\380V/6KW/380V/7.5KW
温度分辨率 Temperature resolution	0.1℃
温度波动度 Temperature fluctuations	±0.5℃
温度均匀度 Temperature uniformity	≤±2℃
升温速率 Rate of warming	约1℃～3℃/min（空载测试）特殊速率可定制 About 1℃～3℃/min (empty-load test) Special rate can be customized
降温速率 Rate of cooling	约0.7℃～1℃/min（空载测试）特殊速率可定制 About 0.7℃～1℃/min (empty-load test) Special rate can be customized
湿度范围 Humidity range	20-98%RH
湿度分辨率 Humidity resolution	0.1%RH
湿度偏差 Humidity deviation	±2.0%RH（湿度 ＞ 75%RH） (Humidity ＞ 75%RH) ±3.0%RH（湿度 ＞ 75%RH） (Humidity ＞ 75%RH)
电压和功率 Voltage and power	220V/50HZ,5KW
设备重量 Device weight	约350KG　About 350KG
设备噪音 Device noise	≤65dB

备注：技术参数、设备尺寸可定制（Note: Technical parameters and equipment size can be customized）

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温湿度振动综合试验箱

Temperature and humidity vibration comprehensive test chamber

温度、湿度、振动综合应力试验系统(三综合试验箱)，将温度、湿度气候应力试验与振动等力学应力试验集成一体。试验系统工作时，将(高温或低温，温度变化)应力、温度应力、振动应力以及电应力按规定的组合方式和周期性空间，同时或分别施加到样品上，与单一应力作用相比，具有环境拟更真实、试验效率更高等优点，现已广泛应用于航空航天、船舶、汽车等电子产品对环境适应性，使用可靠性的考核与评定，应用于电子产品设计缺陷的早期发现及工艺缺陷的筛选场合。

The temperature, humidity and vibration comprehensive stress test system (three comprehensive test chambers) integrates temperature, humidity and climate stress tests with vibration and other mechanical stress tests. When the test system works, the (high or low temperature, temperature change) stress, temperature stress, vibration stress and electrical stress are applied to the sample at the same time or separately according to the prescribed combination mode and periodic space, compared with a single stress action, it has the advantages of more realistic environment and higher test efficiency, and has been widely used in aerospace, shipbuilding, automotive and other electronic products to the environmental adaptability, the assessment and evaluation of reliability, and is applied to the early discovery of electronic product design defects and the screening of process defects.

◆ 主要技术参数 Main technical parameters

项目 project	数据 data
温度范围 Temp.rang	0℃,-20℃,-40℃,-70～+150℃
温度波动度/均匀度 Temp.fluctuation &uriformity	波动度≤±0.5℃;均匀度：≤2℃(空载) Fuctualion:≤±0.5℃;Unifomily:≤2℃(Withoutloading)
温度偏差 Temp.deviation	≤2.0℃
湿度偏差 Humidity deviation	≤±3%
湿度范围 Humidity range	20%~98%RH
湿度波动度/均匀度 Humidity fluctuation &uniformity	波动度 Huctuation:±2.5℃;均匀度 Unifomity:±3℃
升温速率 Heatingrate	3~5℃/min,可定制 Canbe customized
降温速率 Coolingrate	0.7～1.2℃/min,可定制 Canbe customized
额定正弦激振力 Rated sinusoidal excitation force	3kN,6kN,10kN,20kN,30kN,50kN,可定制 Can be_customized
额定随机激振力 Rated random excitalion force	3kN,6kN,10kN,20kN,30kN,50kN,可定制 Can be customized
冲击激振力 Impact exdtation force	6kN,12kN,20kN,40kN,60kN,100kN,可定制 Can be customized
湿度偏差 Humidity deviation	≤±3%
振动方向 vibration direction	垂直、水平垂直 Verlical/Horizontal and vertical
最大加速度 Max.acceleration	981　m/s²
额定速度 Rated speed	2m/s
频率范围 Frequency range	5Hz~3000Hz,5000Hz
工作振幅 Woking vibratior	0-25.4mm;0-51mm;0-76mm

备注：技术参数、设备尺寸可定制（Note: Technical parameters and equipment size can be customized）

四综合环境试验箱
4-in-1 comprehensive environmental test chamber

温湿高振四综合环境试验箱适用于航空、航天、兵器、船舶、核工业等信息电子仪器仪表、各种电子整机、部品及元器件、以及材料、工艺等在温度、湿度、高度(≤30000米)及振动等气候环境和力学环境下的模拟试验和各因素组合条件的综合环境试验。

The 4-in-1 comprehensive environmental test chambers of temperature and humidity and high vibration are suitable for aviation, aerospace, weapons, shipbuilding, nuclear industry and other information electronic instruments, various electronic machines, parts and components, as well as materials and processes in temperature, humidity, altitude (≤ 30000 meters) and vibration and other climatic and mechanical environments simulation tests and comprehensive environmental tests of various factor combination conditions.

◆ 主要技术参数 Main technical parameters

项目 project	数据 data
温度范围 Temperature range	-70℃~+150℃
湿度范围 Humidity range	20%~98%(常压条件，高度综合试验时有调整) 20%~98%(Under normal pressure conditions, adjustments may be made during comprehensive height testing)
升温时间 Rate of warming	≥10℃/min(-55℃~+85℃, normal barometric pressure, 150kg 铝) ≥10℃/min(-55℃~+85℃, normal barometric pressure, 150kg aluminium)
降温时间 Rate of cooling	≥10℃/min(-55℃~+85℃, 常压, 150kg 铝) ≥10℃/min(-55℃~+85℃, 常压, 150kg aluminium)
气压范围 Barometric pressure range	常压~0.5kPa Normal barometric pressure~0.5kPa
正弦及随机激振力 Sinusoidal and random excitation forces	100kN
最大加速度 Maximum acceleration	100g
频率范围 Frequency range	5~2500Hz
工作台面 Diameter of the working sapce	φ640mm
视综合试验具体要求部分参数可再扩展。 Depending on the specific requirements of the comprehensive test, some parameters can be expanded.	

备注：技术参数、设备尺寸可定制（Note: Technical parameters and equipment size can be customized)

高空低气压试验箱
High-altitude and low-pressure test chamber

低气压试验箱主要用于航空、航天、信息、电子等领域，确定仪器仪表、电工产品、材料、零部件、设备在低气压、高温、低温单项或同时作用下的环境适应性与可靠性试验，并或同时对试件通电进行电气性能参数的测量，采用整体式组合结构形式，试验箱由位于前部的保温箱体（承压结构）、位于后部的制冷、真空机组和位于试验箱大门上的电器控制器（系统）组成。

The low-pressure test chamber is mainly used in aviation, aerospace, information, electronics and other fields to determine the environmental adaptability and reliability test of instrumentation, electrical products, materials, parts and equipment under low pressure, high temperature and low temperature single item or at the same time, and at the same time to electrify the specimen for the measurement of electrical performance parameters, using the integral combination structure form, the test chamber is composed of an insulated box (pressure-bearing structure) located at the front, a refrigeration and vacuum unit located at the rear and an electrical controller (system) located on the door of the test chamber.

◆ 主要技术参数 Main technical parameters

项目 project	数据 data
温度范围 Temp. range	-70℃~+150℃
温度波动度/均匀度 Temp. fluctuation &unifomity	波动度 Fuctuation: ±0.5℃ 均匀度 Unifomity: ±2℃
环境湿度 Envronmental humid	≤95%RH
湿度范围 Humid. range	20%~98%RH
湿度波动度/均匀度 Humidity fuctuation&uniformity	波动度 Huctuation: ±2.5℃; 均匀度 Unifomity: ±3℃
冷却速度 Cooingrate	平均≥1℃/min(静态负载 15kg, +85℃~-55℃时) 1℃/minin average (Staticload 15kg, Temp. range +85C~55℃)
加热速度 Heatingrate	平均 1℃/min(静态负载, +85℃~-55℃时) 1℃/minin average (Temp. range+85C~55℃)
压力范围/精度 Pressure range &accuracy	范围 Range: 50.5kPa~101.5kPa; 精度 Accuracy: ±5%

备注：技术参数、设备尺寸可定制（Note: Technical parameters and equipment size can be customized)

臭氧老化试验箱
Ozone aging test chamber

臭氧老化试验箱主要是用来模拟和强化大气中的臭氧条件,研究臭氧对橡塑等材料的作用规律,快速鉴定和评价材料抗臭氧老化性能的设备。其主要由臭氧浓度控制系统、温湿度控制系统及工作空间构成。

The ozone aging test chamber is mainly used to simulate and strengthen the ozone conditions in the atmosphere, study the action law of ozone on rubber and plastic materials, and quickly identify and evaluate the ozone aging resistance of materials. It is mainly composed of ozone concentration control system, temperature and humidity control system and working space.

◆ 主要技术参数 Main technical parameters

项目 project	数据 data
臭氧浓度 Ozone concentration	10-1000PPhm(直接读取、直接控制) 10-1000PPhm(Direct Read, Direct Control)
臭氧浓度偏差 Ozone concentration deviations	≤10%
试验箱温度 Test chamber temperature	RT+10°C~60°C
温度均匀度 Temperature uniformity	±2°C
温度波动度 Temperature fluctuations	≤±0.5°C
试料回转速 Sample's rotation speed	(20-25)mm/s
试验箱气体流速 Test chamber gas flow rate	8-16mm/s
湿度范围 Humidity range	30%~85% 可调 30%~85% Adjustable
夹具选配 Clamping tools	动态带夹具，静态不带夹具 Dynamic with clamps, static without clamps
视综合试验具体要求部分参数可再扩展。 Depending on the specific requirements of the comprehensive test, some parameters can be expanded.	

备注：技术参数、设备尺寸可定制（Note: Technical parameters and equipment size can be customized）

盐雾试验箱
Salt spray test chamber

盐雾试验箱一般指盐雾腐蚀试验箱。盐雾腐蚀试验箱通过考核对材料及其防护层的盐雾腐蚀的能力，以及相似防护层的工艺质量比较，同时可考核某些产品抗盐雾腐蚀的能力；该产品适用于零部件、电子元件、金属材料的防护层以及工业产品的盐雾腐蚀试验法，造成盐雾环境来对产品的耐盐雾腐蚀的目的。

Salt spray test chamber generally refers to salt spray corrosion test chamber. The salt spray corrosion test chamber can assess the ability of salt spray corrosion of materials and their protective layers, as well as the comparison of the process quality of similar protective layers, and the ability of some products to resist salt spray corrosion. This product is suitable for salt spray corrosion testing of components, electronic components, protective coatings of metal materials and industrial products

◆ 主要技术参数 Main technical parameters

项目 project	数据 data
实验室温度 Laboratory temperature	+35°C（设置值不能低于当时环境温度） +35°C（The setting value cannot be lower than the ambient temperature at that time）
饱和桶温度 Saturated air barrel temperature	+47°C
盐水温度 Salt water Brine temperature	通过试验室温度进行预热 Preheating is carried out by means of laboratory temperature
温度均匀度 Temperature uniformity	≤±2°C
温度波动度 Temperature fluctuations	≤±1°C
试验时间 Duration of the trial	0-999 小时(可调) 0-999 hour(adjustable)
沉降量 Sedimentation	1-2ml/80c㎡/h
喷雾方式 Spray method	NSS（中性）试验、AASS（酸性）试验、CASS（铜加速）试验、自定义试验 NSS(Neutral) test、AASS(Acidic) test、CASS(Copper accelerate) test、Custom test
样品架 Sample shelf	与垂直面呈 15 至 30 度夹角（标准样品放置情况下）。 其他不规则样品建议保持倾斜状态 15 to 30 degrees angle to the vertical plane (with standard sample placement). Other irregular samples are recommended to be left in an inclined position

备注：技术参数、设备尺寸可定制（Note: Technical parameters and equipment size can be customized）

沙尘试验箱
Sand-dust test chamber

砂尘试验箱用于检测产品的外壳密封性能，主要是按照IP5X和IP6X两个等级的试验方式，模拟产品在生产、运输、贮存过程中遇到的砂尘环境，从而检验其外壳的防护性能。

The sand and dust test chamber is used to test the sealing performance of the shell of the product, mainly in accordance with the test method of IP5X and IP6X levels, simulating the sand and dust environment encountered in the production, transportation and storage process of the product, so as to test the protective performance of the shell

◆ 主要技术参数 Main technical parameters

项目 project	数据 data
机器总重量 Gross machine weight	300KG
温度范围	RT～+75℃
温度波动度 Temperature fluctuation	≤±0.5℃
温度偏差 Temperature deviation	≤±2℃
金属筛网标准线经 Standard wire length of metal screen	50um
线间标准间距 Standard spacing between wires	75um
滑石粉用量 Dosage of talc powder	2～4kg/m³
温度均匀度 Temperature uniformity	≤±2℃
设备使用环境温度 Ambient temperature of the device	+5℃～+30℃
设备使用环境相对湿度 Relative humidity of the device environment	≤85%RH
设备使用环境气压 Equipment uses ambient air pressure	86Kpa～106Kpa
外壁 ectotheca	双面镀锌钢板，表面喷塑处理 Double-sided galvanized steel plate, surface spray treatment
外部结构加强件 External structural reinforcement	双面镀锌钢板、表面喷塑处理或Q235型钢、表面酸洗、磷化、表面喷塑处理 Double-sided galvanized steel, surface spray treatment or Q235 steel, surface pickling, phosphating, surface spray treatment
内壁 inwall	SUS304(1.2mm)不锈钢板 SUS304(1.2mm) stainless steel plate
内部结构加强件 Internal structural reinforcement	SUS304 2mm厚不锈钢加固 SUS304 Reinforced with 2mm thick stainless steel
绝热材料 Insulating material	硬质聚氨酯泡沫+超细玻璃纤维 Rigid polyurethane foam + ultrafine glass fiber

备注：技术参数、设备尺寸可定制（Note: Technical parameters and equipment size can be customized)

加压浸水试验箱
Pressurized water immersion test chamber

本产品采用科学设计使得该设备能够逼真的模拟滴水、淋水溅水、喷水等各种环境，用于检验手表、相机、潜水设备等高端电子产品的外壳和密封性。雷达锥顶、航空航天工业、IEC Ip规范等。

This product is scientifically designed to enable the device to realistically simulate various environments such as dripping, splashing, and spraying, and is used to inspect the shell and sealing of high-end electronic products such as watches, cameras, and diving equipment

◆ 主要技术参数 Main technical parameters

项目 project	数据 data
箱体材质Chambermaterial	304不锈钢，厚度3mm;Thickness 304,Thickness 3mm
水压Water pressure	0~0.5MPa,模拟水下50米；0-0.5MPa,simulate 50 meters underwater
测试周期Test time setling	0～99min,99sec
试样提升装置 Sample lifing device	手提式不锈钢吊篮；Portable stainless steel hanging baske
水位显示Water level display	刻度加水位管；Water pipe with scale
控制器Controller	数显压力表和计时器；Digital pressure gauge &timer
箱体直径 nterior Diameter of chamber	600mm

满足试验标准：	Meet the test standards:
IEC 60068-2-18 Test R and guidance:Water	IEC 60068-2-18 Test R and guidance:Water
IEC60529:2001外壳防护等级	IEC60529:2001 Enclosure protection grade
GB4208-2008外壳防护等级	GB4208-2008 Shell protection class
GB2423 试验R：水试验方法和导则	GB2423 Test R: Water test methods and guidelines
GJB150.8A-2009淋雨试验程序III	GJB150.8A-2009 Rain test Procedure III

备注：技术参数、设备尺寸可定制（Note: Technical parameters and equipment size can be customized)