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公司简介

苏州亚诺天下仪器有限公司是一家专业研究、开发、设计、制造、销售各类精密品管检测仪器的高科技企业。公司产品采用先进的生产设备和雄厚的技术力量、及先后引进国家科研单位的科研技术成果，开发出适合鞋业、电子业、皮革业、五金电镀业、包装纸业、电线电缆业、自行车业、金属塑料业、纺织等行业的品管检测仪器。产品符合ASTM、JIS、GB、DIN、CNS、ANSI、IEC、VDE等多国标准相对应的技术参数，在产品性价比上力争完美，以达到适合不同规模的企业选用。陆续在北京、上海、苏州、杭州、武汉、东莞、厦门、哈尔滨等设立售后服务处和办事机构，为用户提供优良的产品售后服务，深得客户信赖。公司将秉持YANUO WORLD一贯的专业精神和质量，恪守以质量为本，以服务为经营之理念，一如既往地新老客户，提供最专业的品管检测设备。

公司承诺：向您提供全方位的售前、售中、售后服务。选型时提供完善的技术支持，及免费的技术培训，不定期回访，产品终身维修。

企业文化：以人为本、团结合作、追求卓越、精益求精，
企业宗旨：质量第一、信誉第一、用户至上、价格合理，

经营理念：一切以客户的需求为工作目标。



客户案例



以诚信为本 以专业取胜





微笑在脸 • 服务在心

让每一家企业拥有高品质的检测仪器
Deliver the best testing equipment to our customers



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CONSTANT TEMPERATURE AND HUMIDITY CHAMBER

恒温恒湿试验箱 CTH



仪器简介 Product Introduction

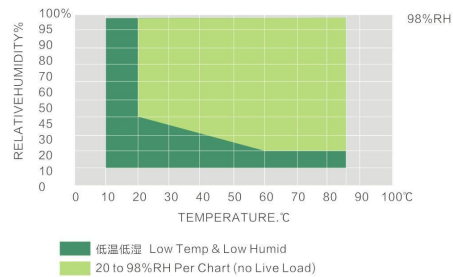
恒温恒湿试验箱能模拟各种温湿度环境、适用于检测电子、电器、食品、汽车、橡胶、塑料胶、金属、印刷制品、家具制品等产品。提供各种恶劣环境下的可靠性以及稳定性参数，将给您提供预测和改进产品质量及可靠性的依据。

This series machine simulate various temperature and humidity environment, it is suitable for test electronics, electrical appliances, food, automobile, rubber and plastic, metal, print products and furniture products. Provide customer with reliable testing report under harsh environments that improve the quality of products.

满足标准 Test Standard

GB/T10586, GB11158, GB10589, GB/T2423, GJB150.3A, GJB150.4A, GJB150.9A...

温湿度对照表 Temperature And Humidity Chart



技术参数 Technical Parameters

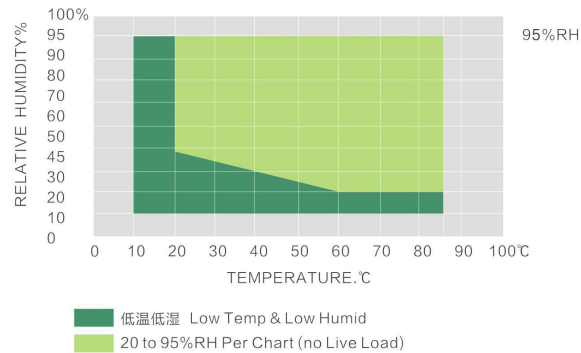
| 型号/Model | CRS-CTH-100 | CRS-CTH-150 | CRS-CTH-225 |
|--|--|------------------------------|-----------------------------|
| 内箱尺寸 Internal Dimension(W*D*H) | 400*500*500mm | 500*500*600mm | 500*750*600mm |
| 外箱尺寸(不锈钢款) External Dimension (sus Type) (W*D*H) | 950*1400*1100mm | 1100*1500*1100mm | 1100*1670*1200mm |
| 外箱尺寸(烤漆款) External Dimension (paint Type) (W*D*H) | 700*1400*1100mm | 800*1500*1100mm | 800*1670*1200mm |
| 温度 (°C) Temperature (°C) | -20/-40/-70 | -20/-40/-70 | -20/-40/-70 |
| 总功率 (kW) Total Power (kW) | 4.5/4.5/6.5 | 5/5/6.5 | 9.5/9.5/11.6 |
| 最大电流 (A) Maximum Current (A) | 25/25/32 | 32/32/40 | 25/32/40 |
| 电压 (V) Voltage (V) | 单相 220V Single Phase 220V | 单相 220V Single Phase 220V | 三相 380V Three Phase 380V |
| 型号/Model | CRS-CTH-408 | CRS-CTH-800 | CRS-CTH-1000 |
| 内箱尺寸 Internal Dimension(W*D*H) | 600*850*800mm | 1000*1000*800mm | 1000*1000*800mm |
| 外箱尺寸(不锈钢款) External Dimension (SUS Type) (W*D*H) | 1200*1770*1400mm | 1550*2100*1200mm | 1550*2100*1400mm |
| 外箱尺寸(烤漆款) External Dimension (paint Type) (W*D*H) | 900*1770*1400mm | 1550*2100*1200mm | 1550*2100*1400mm |
| 温度 (°C) Temperature (°C) | -20/-40/-70 | -20/-40/-70 | -20/-40/-70 |
| 总功率 (kW) Total Power (kW) | 9.5/9.5/11.6 | 17/17/21.5 | 17/17/21.5 |
| 最大电流 (A) Maximum Current (A) | 32 | 50/50/60 | 50/50/60 |
| 电压 (V) Voltage (V) | | 三相 380V Three Phase 380V | |
| 温湿度调节方式 Temp. & Humi. Adjust Way | 平衡温湿度调节方式 (BTHC) PID智能调节 Balanced Temperature Humidity Control System (BTHC), Intelligent PID Regulation | | |
| 温度范围 Temperature range | -20°C, -40°C, -70°C-150°C | | |
| 温度精度 Temperature accuracy | 0.01°C | | |
| 温度偏差 Temperature tolerance | ≤ ±1.0°C 或 ±2.0°C | | |
| 温度波动度 Temperature fluctuation | ≤ ±0.5°C (空载 without loading), (注: 如按 GB/T5170.2-2008 表示, 波动度为 ±0.25°C) | | |
| 温度均匀度 Temperature uniformity | ≤ 1.5°C (空载 without loading), 50mm ≤ SENSOR 置放点 (离内箱壁内尺寸 1/10 处) ≤ 500mm | | |
| 湿度范围 Humidity range | 20%~98%RH | | |
| 湿度精度 Humidity accuracy | 0.1%RH | | |
| 湿度偏差 Humidity tolerance | ≤ ±2%RH (湿度 ≤ 75%RH 时, 湿度偏差 ±5%RH); (Tolerance is ±5% R.H. when humidity ≤ 75% R.H.) | | |
| 湿度波动度 Humidity fluctuation | ≤ ±2%RH | | |
| 升温速度 Heating rate | 平均 3°C/分钟 3°C/min in average | | |
| 降温速度 Cooling rate | 平均 1°C/分钟 1°C/min in average | | |
| 内箱材料 Internal Chamber Material | 304 不锈钢 Stainless Steel 304 | | |
| 外箱材料 External Chamber Material | 不锈钢或喷漆处理 Stainless steel or paint spray | | |
| 制冷方式 Cooling Method | 单级压缩, 二级压缩 Single-stage compression, Second-stage Compression; | | |
| 制冷剂 Refrigerator | 全封闭法国泰康压缩机 Hermetically Sealed France Tecumseh Compressor | | |
| 冷却方式 Cooling Method | 风冷 Air-cooled | | |
| 操作界面 Operation Panel | 可编程液晶触摸屏 Programmable LCD Touch Screen | | |
| 运行方式 Running Mode | 恒定运转, 程序运转 Fix Running, Pattern Running | | |
| 程序记忆容量 Program Memory Capacity | 120组可编程序, 每个程序最大100段 120 Group Programmable, Max 100 Section Each | | |
| 通讯功能 Output | Rs-232接口 Rs-232 (USB, Optional) | | |
| 供水方式 Water Supply | 循环供水 Circulating Water | | |
| 水箱容量 Water Tank Capacity | 800L以下标配一个水箱 (容量 25L/个) Chamber Internal Capacity < 800L: 25L X 1pc 800L以上标配两个水箱 (容量 25L/个) Chamber Internal Capacity > 800L: 25L X 2pc | | |

WALK-IN TEMPERATURE AND HUMIDITY TESTING ROOM

步入式恒温恒湿房 BTH



温湿度对照表 Temperature And Humidity Chart



仪器简介 Product Introduction

步入式恒温恒湿房适用于整机或大型零部件的低温、高温、高低温变化、恒定热、高低温交变湿热试验等。可根据用户要求改变工作室尺寸与功能等；拼块式箱体，造型美观大方；科学的风道设计，能满足不同客户的需求；采用触摸屏，PLC程控器。

This product is suitable for complete machine or large parts with low temperature, high temperature, high-low temperature change, constant temperature, high-low temperature cycles test etc. Chamber dimension and function could be provide according to customer specifications; elegant appearance with flight block style chamber; scientific air flue design and can match the different clients' requirement. Adopt to touch screen, programmable logic controller (PLD).

技术参数 Technical Parameters

| | |
|--|--|
| 定制尺寸 Customized Size | 2, 4, 6, ...-40 m ³ 2, 4, 6, ...-40 Cubic Meter |
| 工作室标准容积 Working Room Capacity | 8个方(8m ³)(可根据客户要求定制) 8Cubic Meter (can be customized) |
| 内箱尺寸 Internal Dimension(W*D*H) | 2250*1800*2000mm (can be customized) |
| 外箱尺寸 External Dimension(W*D*H) | 3600*2100*2530mm (can be customized) |
| 观察窗尺寸 Viewing Window Dimension | 280*380mm (can be customized) |
| 温度范围 Temp. Range | 0℃; -10℃; -20℃; -40℃~ +150℃ |
| 湿度范围 Humid. Range | 20% ~ 95% RH |
| 温度波动度 Temp. Fluctuation | ≤ ± 1.0℃(空载)without loading |
| 湿度波动度 Humid. Fluctuation | ± 2.5%RH |
| 降温速率 Cooling rate | 平均1度/分钟, 线性降温速率及快速降温速率可定制 1℃/min in average, without loading. Linear and fast cooling rate can be customized. |
| 升温速率 Heating rate | 平均1度/分钟, 线性升温速率及快速升温速率可定制 1℃/min in average, without loading. Linear and fast heating rate can be customized. |
| 温度均匀度 Temp. Uniformity | ≤ 2℃ |
| 温度偏差 Temperature Tolerance | ± 3℃ |
| 湿度均匀度 Humid. Uniformity | ≤ 3% RH |
| 湿度偏差 Humid. Tolerance | ± 5%RH |
| 内箱材料 Internal Material | 304不锈钢 Stainless Steel 304 |
| 外箱材料 External Material | 不锈钢/静电喷涂 Stainless Steel /Paint Spray |
| 温度测量和控制器 Temperature Measurement And Controller | 32位控制和监视系统 32 Bit Control And Monitoring System; 程式LCD触摸屏 Programmable LCD Touch Screen Controller; 面板配有RS232/USB接口 Interface Facility With RS232/USB |

THERMAL SHOCK TEST CHAMBER

冷热冲击试验箱 3CHI



仪器简介 Product Introduction

完善的保护报警功能：当出现短路、漏电、工作室超温；压缩机超压、过载、油压、断水等异常状况时，荧幕上即刻自动显示故障原因及提供排除方法，并当发现输入电压不稳时，具有紧急停机装置，冷热冲击结构移动时间在10秒内。

可扩充设备：温度记录器；快速降温控制系统。

功能模块：此设备分为高温区、低温区及测试区三部分，采用独特的断热结构及蓄热、蓄冷效果，采用冷热风路切换方式导入试样中，做冷热冲击测试。

采用原装进口微电脑大型液晶（中英文显示控制系统）。高程式记忆容量，可设定储存100组程式，最大循环设定9999次循环，每段时间最大设定999小时59分钟。

具有RS-232通信界面装置，可与电脑连线控制/编辑/记录及十组动态链接。

具备全自动，高精度系统，任一机件动作，完全由P.L.C锁定处理。

Perfect protection alarm functions: short-circuits, leakage, over temperature of work chamber, compressor over pressure, over load, short water and so other unnormal situation, interface will display the alarm reason and provide check methods, also the machine with emergency stop devices when input voltage not stability.

Optional device: temperature recorder; fast cool speed system.

Functions: the device including high temperature area, low temperature area and test chamber, adopt unique break hot structure and heat, cold storage, perform thermal shock test by switching hot and cold wind into samples.

LCD color chinese / english microcomputer temperature controller, which imported from japan. High capacity memory, can save 100 programs, max 9999 cycles, each max time 999hrs 59mins.

With rs-232 interface, connect to pc can control/ edit/ record and timer singal relay.

Fully automatic, high precious, each action control by PLC.

满足标准 Test Standard

MTL, IEC, JIS, GJB...

技术参数 Technical Parameters

| 型号/Model | CRS-3CHI50 | CRS-3CHI100 | CRS-3CHI200 | CRS-3CHI300 |
|---|---|--|------------------|------------------|
| 内箱尺寸 Internal Dimension(W*D*H) | 350*350*400mm | 500*450*450mm | 650*670*450mm | 800*820*450mm |
| 外箱尺寸(不锈钢款) External Dimension (SUS Type) (W*D*H) | 1230*1270*1830mm | 1380*1370*1980mm | 1530*1590*1980mm | 1680*1735*1980mm |
| 试验方式 Test Method | 气动风门切换2箱式或3箱式 Pneumatic Operated Door Switch(two/three-zone) | | | |
| 冲击范围 Thermal shock range | -40℃, -55℃, -65℃~+150℃ | | | |
| 高温室预热温度范围 High Temp Chamber Preheating Range | 常温 + 10℃~200℃ Ambient +10℃~200℃ | | | |
| 升温速度 Heating Speed | ≤35min | | | |
| 低温室预冷温度范围 Low Temp Chamber Precooling Range | 常温 - 75℃ Ambient - 75℃ | | | |
| 降温速度 Cooling Speed | ≤50min | | | |
| 温度偏差 Temp Tolerance | ±2℃ | | | |
| 温度恢复时间 Thermal Recovery Time | 三箱式为5分钟，两箱式为篮筐移动≤10秒。温度恢复时间≤2分钟 Three-chamber type in 5mins, two-chamber type basket move in 10 secs, temperature stable in 2 mins | | | |
| 内箱材料 Internal Material | 304不锈钢 Stainless Steel 304 | | | |
| 外箱材料 External Material | 不锈钢或静电喷涂 Stainless Steel / Spray Paint | | | |
| 控制器 Controller | 控制界面 Operation Panel | 可编程液晶触摸屏 Programmable LCD Touch Screen | | |
| | 程序记忆容量 Program Memory Capacity | 100组可编程序 100 Programs | | |
| | 设定范围 Setting Range | 时间：1分钟-99小时59分钟；循环：1-999循环 Time: 1min- 99h59min; Cycles: 1-999 Cycles | | |
| | 分辨率 Resolution | 温度：0.01℃；时间：1分钟 Temp.: 0.01℃; Time: 1 min | | |
| 制冷系统 Refrigeration system | 输入 Input | T型热电偶 T Thermocouple | | |
| | 制冷方式 Cooling Method | 机械压缩二元复叠制冷 Mechanical Compression Binary Cascade Refrigeration | | |
| | 制冷压缩机 Refrigeration Compressor | 半封闭活塞式 Semi-closed Piston | | |
| 制冷剂 Refrigerant | R23/R404 | | | |

RAPID-RATE THERMAL CYCLE CHAMBER

快速温变试验箱 QST



仪器简介 Product Introduction

快速温变试验箱主要用于考察产品热机械性能引起的失效，温度变化率一般小于20℃/分钟，实现以最快的速度真实再现所测样品应用环境条件。当构成产品各部件的材料热膨胀系数，或部件内应力较大时，温度循环试验可引发产品由机械结构缺陷产生的失效。一般应用于光电器件、互连电路、组件单元及电子设备的筛选试验和失效模式评估。是发现产品设计缺陷和工艺问题的有效方法。

Rapid-rate Thermal Cycle Chamber can evaluate the failure mechanical properties of product; normally the temperature ramp rate is less than 20°C/min, which can achieve the real application environment of testing sample by the fastest ramp rate.

The chamber is applied to the screening test and failure mode evaluation of photoelectric components, interconnection circuits, component units and electronic devices.

技术参数 Technical Parameters

| 型号 | CRS-QST-100 | CRS-QST-150 | CRS-QST-225 |
|-------------|-----------------------|------------------|------------------|
| 内箱尺寸(W*D*H) | 400*500*500mm | 500*500*600mm | 500*600*750mm |
| 外箱尺寸(不锈钢款) | 900*1070*1400mm | 1000*1070*1500mm | 1000*1170*1650mm |
| 外箱尺寸(烤漆款) | 600*1080*1380mm | 700*1080*1480mm | 700*1180*1630mm |
| 温度℃ | -20~40/-70 | -20~40/-70 | -20~40/-70 |
| 总功率KW | 5.5, 6.5 | 5.5, 6.5 | 8.5, 8.5, 10 |
| 最大电流A | 22, 22, 28 | 22, 22, 28 | 18, 18, 23 |
| 电压V | 单相220V | 单相220V | 三相380V |
| 温度范围 | -20℃~+40℃; -70℃~+150℃ | | |
| 温度控制精度 | 0.01℃ | | |
| 温度均匀度 | ≤±2.0℃ | | |
| 温度偏差 | ±0.5℃~±0.2℃(空载) | | |
| 升温速率 | 1℃/分钟~10℃/分钟, 可定制 | | |
| 降温速率 | 1℃/分钟~10℃/分钟, 可定制 | | |
| 湿度范围 | 20%~98%RH | | |
| 湿度控制精度 | 0.1%RH | | |
| 湿度均匀度 | ±3%RH(空载) | | |
| 内箱材料 | 304不锈钢 | | |
| 外箱材料 | 不锈钢或烤漆 | | |
| 内箱尺寸 | 非标定制, 研发制造 | | |

满足标准 Test Standard

GB/T5170.2-2008 Temperature Test Equipment
GB/T2423.1-2008 (IEC60068-2-1:2007) Tests: Test A - Cold
GB/T2423.2-2008 (IEC60068-2-2:2007) Tests: Test B - Dry Heat
IEC 60068-2-14 2009 Tests: Test N - Change Of Temperature

| Model | CRS-QST-100 | CRS-QST-150 | CRS-QST-225 |
|------------------------------|-----------------------------------|------------------|------------------|
| InternalDimension | 400*500*500mm | 500*500*600mm | 500*600*750mm |
| ExternalDimension(SUStype) | 900*1070*1400mm | 1000*1070*1500mm | 1000*1170*1650mm |
| ExternalDimension(Painttype) | 600*1080*1380mm | 700*1080*1480mm | 700*1180*1630mm |
| Temperature (°C) | -20~40/-70 | -20~40/-70 | -20~40/-70 |
| TotalPower (kW) | 5.5, 6.5 | 5.5, 6.5 | 8.5, 8.5, 10 |
| Maximum Current (A) | 22, 22, 28 | 22, 22, 28 | 18, 18, 23 |
| Voltage (V) | Single-phase220V | Single-phase220V | Three-phase380V |
| Temp. range | 0℃; -20℃; -40℃; -70℃~+150℃ | | |
| Temp. Display Accuracy | 0.01℃ | | |
| Temp. uniformity | ≤±2.0℃ | | |
| Temp. deviation | ±0.5℃±0.2℃(without load) | | |
| Heating speed | 1℃/min~10℃/min, can be customized | | |
| Cooling Speed | 1℃/min~10℃/min, can be customized | | |
| Humid. range | 20%~98%RH | | |
| Humid. resolution | 0.1% R.H. | | |
| Humid. uniformity | ±3%RH (without load) | | |
| Internal chamber material | Stainless steel 304 | | |
| External chamber material | Stainless steel / paint spray | | |
| Internal dimension(W*D*H) | can be customized | | |

HIGH LOW TEMPERATURE CYCLE CHAMBER

高低温交变试验箱 HLT



仪器简介 Product Introduction

高低温交变试验箱用来测试材料结构或复合材料，在经极高温及极低温的连续环境下所能忍受的程度，藉以在试验其热胀冷缩所引起的化学变化或物理伤害。适用的对象包括金属，塑料，橡胶，电子等材料，可作为其产品改进的依据或参考。

High Low Temperature Cycle Chamber is used to test material structure or composite materials operate at extreme high temperature and low temperature condition, to test its chemical changes and physical damages caused by thermal expansion and contraction stress. The chamber is applicable for metal, plastic, rubber, electronics and other materials, which can be used as references for product improvement.

满足标准 Test Standard

GB 11606.3-99 The method of environmental test for analytical instruments—Low Temperature
GB 11606.4-89The method of environmental test for analytical instruments—High Temperature
GB/T2423.1-2008 Method A: Low Temperature Test
GB/T 2423.2-2008 Method B: High Temperature Test
GB 11606-2007Analytical instrument environment test method
SJT 31129-1994 High and low temperature inspection assessment method

技术参数 Technical Parameters

| 型号 Model | CRS-HLT50 | CRS-HLT100 | CRS-HLT150 | CRS-HLT225 | CRS-HLT408 | CRS-HLT800 | CRS-HLT1000 | |
|--|---|---|------------------|------------------|------------------|------------------|------------------|--|
| 内尺寸(W*D*H) Internal Dimension (W*D*H) | 300*400*400mm | 500*400*500mm | 500*500*600mm | 500*600*750mm | 600*800*850mm | 800*1000*1000mm | 1000*1000*1000mm | |
| 外尺寸(W*D*H) External dimension (W*D*H) | 800*880*1550mm | 1000*880*1650mm | 1000*1000*1750mm | 1000*1100*1900mm | 1100*1300*2050mm | 1300*1500*2200mm | 1500*1500*2200mm | |
| 重量(kg) Weight (kg) | 200 | 240 | 280 | 320 | 380 | 500 | 600 | |
| 电源 Power | AC220V/380V/50HZ | | | | | | | |
| 最大功率(kW) Max. power (kW) | 3.5 | 4 | 4.5 | 5.5 | 8 | 9.5 | 12.5 | |
| 最大电流(A) Max. current (A) | 10 | 11 | 12 | | 21 | 24 | 32 | |
| 使用环境温度 Working environment | 温度+5℃~+30℃; 相对湿度<85%; 大气压86~106kPa; Temperature: +5~30℃, Relative humidity: ≤85% RH, Atmosphere: 86~106kPa | | | | | | | |
| 温度参数 Parameters | 温度范围 Temperature range | -20℃~+150℃; | | -40℃~+150℃; | -70℃~+150℃ | | | |
| | 温度波动度 Temperature fluctuation | ≤±0.5℃ | | | | | | |
| | 温度均匀度 Temperature Uniformity | ≤±2.0℃ | | | | | | |
| | 温度偏差 Temperature tolerance | ≤±2.0℃ | | | | | | |
| | 降温速率 Cooling Speed | 0.7~1.5℃/min in average | | | | | | |
| 制冷系统 Refrigeration | 升温速率 Heating Speed | 1.5~5.0℃/min in average | | | | | | |
| | 制冷方式 Refrigerating method | 单级式/二级式制冷 Single stage / Second stage refrigeration system | | | | | | |
| | 压缩机 Compressor | 法国泰康、德国谷轮、日本松下(全封闭压缩机) France Tecumseh, Germany Copeland, Japan Panasonic (hermetically sealed compressor) | | | | | | |
| | 冷却方式 Cooling method | 风冷/水冷 Air cooled / Water Cooled | | | | | | |
| 控制器 Controller | 韩国“三星”TEMU系列真彩触摸屏 Touch Screen Controller | | | | | | | |
| 温度传感器 Temperature sensor | 铂电阻(PT100) PT100 Platinum resistance | | | | | | | |
| 电器元件 Electrical components | 西门子交流接触器、欧姆龙固态继电器、德力西电器 SIEMENS AC Contactor, Omron SSR, DELIXI electrical elements | | | | | | | |
| 安全保护装置 Safety protection devices | 电流保护、超温保护、缺相保护、压缩机过载 Electrical leakage protection, Over temperature protection, phase absence protection, Over load protection on refrigeration system. | | | | | | | |

OZONE AGING TEST CHAMBER 臭氧老化试验箱 CY



TURNTABLE SAMPLE HOLDER
转盘式试样架

仪器简介 Product Introduction

臭氧老化试验箱为电线电缆、橡胶及聚合物等产品测试提供精准的臭氧浓度环境。此设备广泛应用于加速老化研究，质量控制和质量保证，研发中心抗裂性试验机配方实验等。

Ozone Aging Test Chamber provides accurate ozone concentration environment for electric wire, rubber and polymer test, ect. It widely applied to accelerated ageing research quality control and assurance tests and R&D laboratory formula experiments for cracking resistance.

满足标准 Test Standard

GB/T 7762, GB/T 13642, ISO 1431/2, GB/T 2951.21-2008, ASTM D119, JIS K6259...

技术参数 Technical Parameters

| | | |
|--------------|-------------------------|-----------------------|
| 内箱尺寸 (W*D*H) | 400*500*500 mm (100L) | 500*600*500 mm (150L) |
| 外箱尺寸 (W*D*H) | 900*970*1600 mm | 1000*1000*1750 mm |
| 温度范围 | RT+10℃-80℃ | |
| 温度波动度 | ±0.5℃ | |
| 湿度范围 | 30%-85%RH | |
| 臭氧浓度 | 50-1000 ppbm, 可调 | |
| 臭氧控制精度 | ±5%FS | |
| 试样架 | 2块可拆卸试样架, 304不锈钢 | |
| 转盘式试样架 (可选) | 内置360度转盘, 含3组静态和3组动态夹具 | |
| 控制器 | LCD可编程控制器, 触摸操作 | |
| 臭氧发生器 | 无声高压放电臭氧发生器 | |
| 电源 | 单相, AC 220V 50Hz, 4.5kW | |

| | | |
|------------------------------------|---|-----------------------|
| Internal Dimension | 400*500*500 mm (100L) | 500*600*500 mm (150L) |
| External Dimension | 900*970*1600 mm | 1000*1000*1750 mm |
| Temperature Range | RT+10℃-80℃ | |
| Temperature Fluctuation | ±0.5℃ | |
| Humidity range | 30%-85%RH | |
| Ozone Concentration | 50-1000 ppbm, Adjustable | |
| Ozone Accuracy | ±5%FS | |
| Sample Holder | 2pcs Removable Sample Tray, Stainless Steel 304 | |
| Turntable Sample Holder (optional) | Built-in 360 degree rotation sample holder, including 3 Sets Static Tensile Fixture And 3 Sets Dynamic Tensile Fixture. | |
| Controller | LCD Programmable Controller, Touch Screen | |
| Ozone Generator | High Pressure Silence Discharge Type | |
| Power Supply | Single Phase, AC 220V 50Hz, 4.5kW | |

VENTILATION TYPE AGING TEST CHAMBER 换气式老化试验箱 HQ



仪器简介 Product Introduction

换气老化试验箱适用于试样在模拟高温和大气压力下的空气中老化后测定其性能并与未老化样品的性能予以比较。一般用来试验电线、电缆、绝缘体或被覆的橡胶试样，以比较试样老化前与老化后的抗拉强度及伸长率。

Air Ventilation Aging Test Chamber simulates aging test for test specimen under high temperature and standard air pressure, to test and compare its performance with untested samples. The chamber is widely used for electric wire, cable, insulator and coated rubber specimen, to compare the tensile strength and elongation before and after aging test.

满足标准 Test Standard

JB/T 7444, GB/T 3512, GB/T 11026.4...

技术参数 Technical Parameters

| | | |
|--------------|-------------------------------------|-------------|
| 型号 | CRS-HQ100A | CRS-HQ100B |
| 内箱尺寸 (W*D*H) | 450×450×500mm | |
| 温度范围 | RT+10℃-200℃ | RT+10℃-300℃ |
| 温度均匀度 | ≤±2℃ (200℃以内, 200℃-300℃ ≤±3℃) (空载时) | |
| 温度波动度 | ±0.5℃ (空载时) | |
| 升温速率 | 1.0℃-3.0℃/min | |
| 时间设定范围 | 0-999 小时 | |
| 换气量 | 3-10次/小时 (可调) | |
| 换气方式 | 通过增氧泵、流量计自动换气 | |
| 试样转盘 | 10r/min, 两层不锈钢转盘 | |
| 换气时间 | 1-99 (s, m, h) 可调 | |
| 设备使用环境湿度 | ≤85% RH | |
| 电源要求 | AC380 (±10%) V/50Hz 三相五线制 | |
| 功率 | 3kW | |
| 安全装置 | 超温保护, 欠相/逆相保护, 定时功能 | |

| | | |
|-------------------------|---|-------------------|
| Model | CRS-HQ100A | CRS-HQ100B |
| Internal Dimension | 450*450*500mm | |
| Temperature range | Ambient +10℃-200℃ | Ambient +10℃-300℃ |
| Temperature uniformity | Ambient +10-200℃: ≤±2℃; 200℃-300℃: ≤±3℃ (without loading) | |
| Temperature fluctuation | ±0.5℃, without loading | |
| Heating rate | 1.0-3.0℃/min | |
| Test time | 0-999 hours | |
| Ventilation | 3-10 times/hour, adjustable | |
| Ventilation method | Automatically ventilating by oxygen pump and flow meter | |
| Sample turntable | 10r/min, 2pcs stainless steel sample tray | |
| Ventilation time | 1-99 (s, m, h), adjustable | |
| Working environment | ≤85% RH | |
| Power supply | Three phase, AC 380V ±10%, 50Hz | |
| Power | 3 kW | |
| Protection | Over-temperature, Out of Phase/phase Sequence Protection, Timing function | |

ANTI-YELLOWING AGING TEST CHAMBER

耐黄老化试验箱 NHB



仪器简介 Product Introduction

耐黄老化试验箱可做二种测试：老化与耐黄变。

老化：本机可促进加硫橡胶的劣化，以计算加热前后拉力及伸长的变化率，一般认为在70℃下测试一天，理论上相当于暴露在大气中6个月的时间。

耐黄：本机是模拟大气环境中，受阳光紫外线照射，外观变化一般认为在50℃下测试9小时，理论上相当于暴露在大气中6个月的时间。

This machine can do two kinds of testing: aging and anti-yellowing.

Aging: the machine can promote the increase of sulfur rubber deterioration, to calculate the change rate of tensile and elongation before and after heat. It is generally thought that test for one day at 70°C, in theory as exposed to the atmosphere for 6 months.

Anti-yellowing: this machine stimulates the atmosphere environment, driven by the sun ultraviolet radiation. Its generally thought that the appearance change at 50°C for 9 hours, in theory as exposed to atmosphere for 6 months.

满足标准 Test Standard

JIS-P8127, ASTM D1148...

技术参数 Technical Parameters

| | |
|----------------------------|--|
| 内箱尺寸 Internal Dimension | 500*500*600mm(W*D*H) |
| 外箱尺寸 External Dimension | 940*700*1350mm(W*D*H) |
| 温度范围 Temperature Range | 常温 ~ +200°C Ambient ~ +200°C |
| 控制方式 Control Method | 自动演算控制器 Automatic Calculation Controller |
| 时间记忆 Time Memory | 0-999小时, 停电记忆型, 含蜂鸣器 0-999 Hours, Automatic Power Cut-off Memory, including Buzzer |
| 转盘直径 Turntable Diameter | 直径45cm Diameter 45cm |
| 转盘速度 Turntable Speed | 3-10转/分钟, 可调 3-10 cycles/min, adjustable |
| UV光源 UV Light | 300W UVA灯炮 300W UVA Lamp |
| 加热方式 Heating Method | 热风循环 Hot Air Circulation |
| 内箱材料 Internal Material | 304不锈钢 Stainless Steel 304 |
| 外箱材料 External Material | 表面静电喷漆 Carbon steel with electrostatic painting surface |

DUST TEST CHAMBER 沙尘试验箱 SC



INTERNAL CHAMBER
沙尘内箱图

技术参数 Technical Parameters

| 型号Model | CRS-SC216 | CRS-SC512 | CRS-SC1000 |
|---------------------------------------|---|----------------|------------------|
| 内箱尺寸(W*D*H) Internal Dimension | 600*600*600mm | 800*800*800mm | 1000*1000*1000mm |
| 外箱尺寸(W*D*H) External Dimension | 1100*900*1650mm | 1300*1100*1800 | 1500*1300*2000mm |
| 内箱材质 Internal Chamber Material | 304不锈钢, 防尘, 易清洗 Stainless Steel 304, Anti-rust, Easy to Clean | | |
| 外箱材质 External Chamber Material | 不锈钢 Stainless steel | | |
| 控制器 Controller | 采用可编程控制器 (具备下述多种设定控制功能) a.吹尘时间 (停、吹) m/s 可调 b.循环周期, 任意可调 c.预设测试时间: 0s ~ 99m99s 任意可调 d.通电: 新一通一断 PLC Controller, Touch Screen A. Blowing Dust Time (stop/blow) m/s B. Cycle Time: Can Be Adjusted C. Pre-set Test Time: 0s ~ 99m99s D. Specimen Opening: Off - On - Off | | |
| 测试时间 Testing Time | 可调节 0.1s ~ 999hr, Adjustable | | |
| 箱内、管道内灰尘浓度 Dust Concentration | 浓度为2kg/m ³ ~ 4kg/m ³ , 测试20次后更换 2kg/m ³ ~ 4kg/m ³ , Should Be Replaced In Every 20 Tests | | |
| 测试尘类型 Dust Type | 滑石粉 Powdered Cement, Talcum Powder | | |
| 真空系统 Vacuum System | 压力计, 空气过滤器, 气压调整器, 真空泵, 连接管 Pressure Gauge, Air Filter, Pressure Regulating Fri, Connecting Pipe, Vacuum Pump | | |
| 真空泵 Vacuum Pump | 0-30kpa | | |
| 气压压力 Air Pressure | 0.5-0.8mpa | | |
| 气流速度 Air Flow Rate | ≤2m/s | | |
| 承重 Loading | 200kg | | |
| 内置电源插座 Power Socket Inside Chamber | 可供样品带电测试的防尘开关 Dust Proof Power Socket for Specimen Opening | | |
| 门材料 Door Material | 钢化玻璃 Tempering Glass | | |
| 电源 Power Source | 单相 AC220V Three-phase AC380V, 50Hz, 2.5KW | | |

仪器简介 Product Introduction

沙尘老化试验箱主要针对对不同电子元件在极端的环境下性能测试，遵照不同标准要求下的测试时间和测试循环组合。

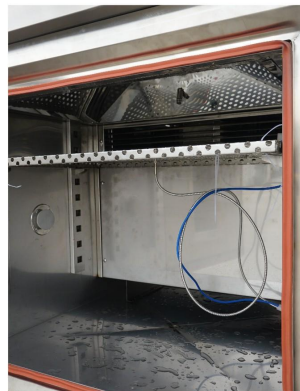
Dust Test Chamber are mainly performed to test functioning of electronic components under extreme environmental conditions. Various standards specify the test duration and composition of dust used.

满足标准 Test Standard

IEC 60529, IP5X & 6X...

XENON WEATHERING TEST CHAMBER (AIR COOLED)

氙灯耐候试验箱（风冷式）XD



INTERNAL CHAMBER
内箱

仪器简介 Product Introduction

氙灯耐候试验箱采用氙弧灯，可模拟全太阳光谱且存在于不同环境下的破坏性光波。此设备能提供相应的环境模拟和加速试验，专门用于科研，产品开发和产品质量管控等等。

The Xenon Weathering Test Chamber uses a xenon arc lamp that can simulate full sunlight spectrum to reproduce destructive light waves that exist in different environments. This enables the device to provide the corresponding environment simulations and acceleration tests for scientific research, product development and quality control.

技术参数 Technical Parameters

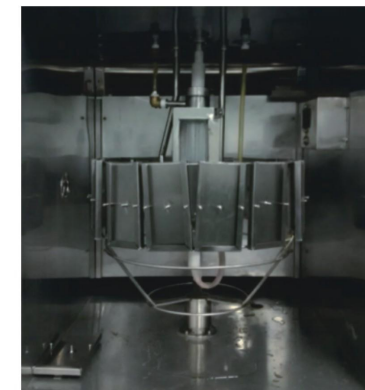
| | | | |
|--------------|--|------------------|------------------|
| 内箱尺寸 (W*D*H) | 750*500*600mm | 800*800*800mm | 1000*1000*1000mm |
| 外箱尺寸 (W*D*H) | 1300*1000*1700mm | 1450*1350*2150mm | 1650*1550*2350mm |
| 内箱材质 | 304不锈钢, 防尘, 易清洗 | | |
| 外箱材质 | 烤漆/不锈钢 | | |
| 箱内湿度 | 光循环30%~50% RH、暗循环30%~95%RH可调 | | |
| 湿度均匀度 | ≤ ±5%RH | | |
| 箱内温度 | 20℃~80℃, 可设定 | | |
| 黑板温度 | 30℃~95℃, 可设定 | | |
| 温度均匀度 | ≤ ±2℃ | | |
| 透光片 | 窗玻璃透光片(标配)、日光透光片、延展紫外透片 | | |
| 光源 | 风冷长弧氙灯 | | |
| 辐照强度 | 290~800nm波段550~1120W/m ² , 可调 | | |
| 控制系统 | LCD程式控制器, 自动显示辐照度, 可设定100组程序, 每个程序含99个循环 | | |
| 光照时间 | 1~999 Hours, Adjustable | | |
| 淋雨系统 | 喷水时间999分钟可调, 间断喷水时间1~240分钟可调, 可周期循环设定 | | |
| 触发器功率 | 3kW, 工作电压交流220V, 电流25+3A | | |
| 淋雨喷嘴 | 直径: 0.8mm (回水带超细过滤器防止喷嘴堵塞) | | |
| 试样架 | 118*304不锈钢试样架 | | |
| 试样与灯管距离 | 250~300mm | | |
| 氙灯寿命 | 1200小时 | | |
| 氙灯功率 | 2.5kW*3pcs=7.5kW | | |
| 电源 | 三相, AC380V 50Hz | | |
| 辐照量 | 自动演算累积辐照量并自动停机 | | |

满足标准 Test Standard

| | |
|--|---|
| ISO 4892-2, ASTM G155, IEC 60068-2-5, SAE J2412... | |
| Internal Dimension | 750*500*600mm 800*800*800mm 1000*1000*1000mm |
| External Dimension | 1300*1000*1700mm 1450*1350*2150mm 1650*1550*2350mm |
| Internal Chamber Material | Stainless Steel 304, Anti-rust, Easy To Clean |
| External Chamber Material | Paint Spray/ Stainless Steel |
| Chamber Humidity Range | 30%~50% RH (Light Cycle) 30%~95% RH (Dark Cycle) |
| Humidity Uniformity | ≤ ±5%RH |
| Chamber Temperature | 20℃~80℃, Adjustable |
| Black Panel Temperature | 30℃~95℃, Adjustable |
| Temperature Uniformity | ≤ ±2℃ |
| Filter | Window filter, Daylight filter, Extend UV Filter |
| Light Source | Air Cooled Long Arc Xenon Lamp |
| Irradiance Strength | 550~1120W/m ² @290~800nm, Adjustable |
| Control System | LCD Programmable Controller, Auto Display Irradiance, Capacity: 100 Groups Program, 99 Cycles |
| Illumination Time | 1~999 Hours, Adjustable |
| Water Spray System | Water Spray Time 999 Minutes Settable Interval Spray Time, 1~240 Minutes Settable, cycle settable |
| Power trigger | 3kW, AC220V, 25+3A |
| Water Spray Nozzle | Diameter: 0.8mm |
| Sample Holder | Stainless Steel 304, 1pc |
| Distance From Sample Holder To Lamp | 250~300mm |
| Xenon Lamp Lifetime | 1200hours |
| Xenon Lamp Power | 2.5kW*3pcs=7.5kW |
| Power Supply | Three Phase, AC380V 50Hz |
| Irradiation | Automatic calculus accumulates irradiation and stops |

XENON WEATHERING TEST CHAMBER (WATER COOLED)

氙灯耐候试验箱（水冷式）SN



TURNABLE SAMPLE TRAY
转盘式试样架

仪器简介 Product Introduction

氙灯耐候试验箱采用氙弧灯，可模拟全太阳光谱且存在于不同环境下的破坏性光波。此设备能提供相应的环境模拟和加速试验，专门用于科研，产品开发和产品质量管控等等。

The Xenon Weathering Test Chamber uses a xenon arc lamp that can simulate full sunlight spectrum to reproduce destructive light waves that exist in different environments. This enables the device to provide the corresponding environment simulations and acceleration tests for scientific research, product development and quality control.

技术参数 Technical Parameters

| | | |
|--------------|--|------------------|
| 内箱尺寸 (W*D*H) | 800*800*800mm | 1000*1000*1000mm |
| 外箱尺寸 (W*D*H) | 1450*1350*2150mm | 1650*1550*2350mm |
| 内箱材质 | 304不锈钢, 防尘, 易清洗 | |
| 外箱材质 | 烤漆/不锈钢 | |
| 箱内湿度 | 光循环30%~50% RH、暗循环30%~95%RH可调 | |
| 湿度均匀度 | ±5%RH | |
| 箱内温度 | 20℃~80℃, 可设定 | |
| 黑板温度 | 30℃~95℃, 可设定 | |
| 温度均匀度 | ≤ ±2℃ | |
| 透光片 | 窗玻璃透光片(标配)、日光透光片、延展紫外透片 | |
| 光源 | 水冷式长弧氙灯 | |
| 氙灯功率 | 1支6.5kW水冷氙灯 | |
| 辐照强度 | 290~800nm波段550~1120W/m ² , 可调 | |
| 控制系统 | LCD程式控制器, 自动显示辐照度, 可设定100组程序, 每个程序含99个循环 | |
| 光照时间 | 1~999 Hours, Adjustable | |
| 淋雨系统 | 喷水时间999分钟可调, 间断喷水时间1~240分钟可调 | |
| 淋雨喷嘴 | 直径: 0.8mm (回水带超细过滤器防止喷嘴堵塞) | |
| 试样架 | 转盘式试样架, 1~5R/min可调 | |
| 最大试样尺寸 | 200*90mm, 厚度<20mm, 片状试样 | |
| 试样与灯管距离 | 250~300mm | |
| 氙灯寿命 | 1200小时 | |
| 电源 | 三相, AC380V 50Hz | |
| 冷水机 | 6.5kW | |
| 水塔规格 | 10RT, 15RT, 20RT... | |
| 辐照量 | 自动演算累积辐照量并自动停机 | |

满足标准 Test Standard

| | |
|--|---|
| ISO 4892-2, ASTM G155, IEC 60068-2-5, SAE J2412... | |
| Internal Dimension | 800*800*800mm 1000*1000*1000mm |
| External Dimension | 1450*1350*2150mm 1650*1550*2350mm |
| Internal Material | Stainless Steel 304, Anti-rust, Easy To Clean |
| External Material | Paint Spray/ Stainless Steel |
| Chamber Humidity Range | 30%~50% RH (Light Cycle) 30%~95% RH (Dark Cycle) |
| Humidity Uniformity | ±5%RH |
| Chamber Temperature | 20℃~80℃, Adjustable |
| Black Panel Temperature | 30℃~95℃, Adjustable |
| Temperature Uniformity | ≤ ±2℃ |
| Filter | Standard configuration: window glass filter Optional: daylight filter, UV filter |
| Light Source | Water Cooled Xenon Lamp |
| Xenon Lamp Power | 6.5kW*1pc=6.5kW |
| Irradiance Strength | 550~1120W/m ² @290~800nm, Adjustable |
| Control System | LCD Programmable Controller, Auto Display Irradiance, Capacity: 100 Groups Program, 99 Cycles |
| Illumination Time | 1~999 Hours, Adjustable |
| Water Spray System | Water Spray Time 999 Minutes Settable Interval Spray Time, 1~240 Minutes Settable |
| Water Spray Nozzle | Diameter: 0.8mm |
| Sample Holder | Turntable Sample Rack, 1~5R/min |
| Max. Sample Dimension | 200*90mm Thickness<20mm |
| Distance From Sample Holder To Lamp | 250~300mm |
| Xenon Lamp Lifetime | 1200hours |
| Power Supply | Three Phase, AC380V 50Hz |
| Chiller | 6.5kW |
| Water tower specs | 10RT, 15RT, 20RT... |
| Irradiation | Automatic calculus accumulates irradiation and stops |

UV WEATHERING TEST CHAMBER

UV耐候试验箱 UV



仪器简介 Product Introduction

UV耐候试验箱装配紫外UVA或UVB灯管，可模拟太阳光的紫外光谱，程序设定温度，光照及淋雨等条件。此设备用于测试在光照条件下对产品造成的不同类型的损害，如变色，龟裂，裂纹，强度下降，氧化等。耐光能力或单一耐湿能力减弱或失效，从而广泛用于对材料耐候性能的评价。

技术参数 Technical Parameters

| 内箱设计 | 标准内箱 | 方形内箱 |
|--------------|---|------------------|
| 内箱尺寸 (W*D*H) | N/A | 1140*650*500 mm |
| 外箱尺寸 (W*D*H) | 1300*500*1460 mm | 1340*700*1800 mm |
| 温度范围 | RT+20°C-70°C | |
| 温度波动度 | ±1°C | |
| 黑板温度 | 50°C-70°C, 可设定 | |
| 内外箱材质 | 304不锈钢 | |
| 控制系统 | LCD可编程控制器, 光照, 冷凝和淋雨系统循环可调 | |
| UV灯管 | 8支, 1600小时运行寿命 | |
| 有效辐照区域 | 900x210mm | |
| 辐照度计 | 0.45-0.9W/m ² (进口), 0.20-0.60W/m ² (国产) 辐照度可调 | |
| 试样与灯管距离 | 50 ± 2mm | |
| 试样尺寸 (标准内箱) | 75x290mm (24块) 或75x150mm (48块), 最大厚度5mm | |
| 试样尺寸 (方形内箱) | 不规则试样 | |
| 电源电压 | 单相, AC 220V 50Hz | |



UV Weathering Test Chamber is equipped with a fluorescent uva/uvb lamp which can simulate the uv spectra of sunlight, exposes materials to alternating cycles of uv light and moisture at controlled, elevated temperatures. It's used to test types of damages include colour change, gloss loss, chalking, cracking, crazing, hazing, blistering, strength loss and oxidation.

满足标准 Test Standard

ASTM G154, ISO 4892-3...

| Internal Chamber Design | Standard Chamber | Flat Type Chamber |
|--------------------------------------|---|-------------------|
| Internal Dimension | N/A | 1140*650*500 mm |
| External Dimension | 1300*500*1460 mm | 1340*700*1800 mm |
| Temperature Range | RT+20°C-70°C | |
| Temperature Fluctuation | ±1°C | |
| Black Temperature | 50°C-70°C, Adjustable | |
| Internal & External Chamber Material | Stainless Steel 304 | |
| Control System | Programmable Controller, LCD Touch Screen Illumination, Condensation And Water Spray Test Cycles Are Programmable | |
| UV lamp | USA Altas or Q-lab lamps (8pcs; 1600 hours lifetime) | |
| Effective Irradiation Area | 900*210mm | |
| Irradiance Meter | 0.45-0.9W/m ² (imported lamp); 0.20-0.60 W/m ² (domestic lamp), adjustable | |
| Distance From Sample To Lamp | 50 ± 2mm | |
| Sample Dimension (Standard Chamber) | 75 × 290mm (24pcs) Or 75x150mm (48pcs), Max. Thickness 5mm | |
| Sample Dimension (Flat Type Chamber) | Irregular Test Samples | |
| Power | Single Phase, AC 220V 50Hz | |

SALT SPRAY CORROSION CHAMBER

盐雾试验箱 SM



仪器简介 Product Introduction

盐雾试验箱针对各种材质的表面处理，包含涂料、电镀、无机及有机皮膜，阳极处理防锈油等防锈处理后，测试其制品的耐蚀性。

The machine adapted to the surface treatment of various materials, including paint, electroplating, organic and inorganic coating, anode processing, anti-rust oil and so on, after these anti-corrosive treatment to test the corrosion resistance of their products.

技术参数 Technical Parameters

| 型号 | CRS-SM60 | CRS-SM90 | CRS-SM120 | CRS-SM160 |
|--------------|---------------------------------|-----------------|------------------|------------------|
| 内箱尺寸 (W*D*H) | 600*400*450mm | 900*600*500mm | 1200*1000*500mm | 1600*1000*500mm |
| 外箱尺寸 (W*D*H) | 1070*600*1180mm | 1410*880*1280mm | 1900*1300*1400mm | 2300*1300*1400mm |
| 型号 | CRS-SM60 | CRS-SM90 | CRS-SM120 | CRS-SM160 |
| 控制器 | 触摸屏、按键式 | | | |
| 温度范围 | 试验室:常温+5°C-55°C;饱和桶:常温+5°C-63°C | | | |
| 温度偏差 | ≤ ± 1°C | | | |
| 湿度均匀度 | 2°C | | | |
| 湿度波动度 | ± 0.5°C | | | |
| 盐雾沉降量 | 1.0-2.0ml/80cm ² .hr | | | |
| 喷雾方式 | 连续、周期任选 (触摸屏); 连续 (按键式) | | | |
| 测试时间 | 1-9999 (时, 分, 秒) 可调 | | | |
| 温度控制 | PID+S, S, R微电脑集成控制器 | | | |
| 温度传感器 | 铂电阻 PT100 Q /MV | | | |
| 加热系统 | 全独立系统, 镍铬合金电加热式加热器 | | | |
| 喷雾系统 | 塔式喷雾装置加无结晶喷嘴 | | | |
| 箱体材料 | 耐腐蚀, 抗老化, 采用进口PP&PVC硬质塑料板 | | | |
| 密封 | 采用水密封装置, 无盐雾溢出 | | | |
| 电源电压 | AC220V ± 10% 50Hz | | | |

满足标准 Test Standard

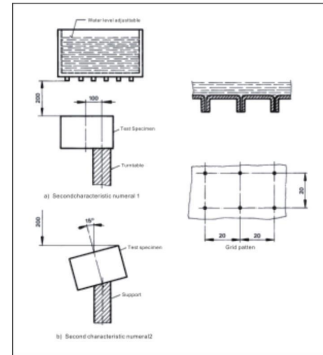
ISO: 3769, 3770, 9227
CNS: 3627, 3385, 4159, 7669, 8886
ASTM: B117, B286, GB/T2423.17
GB: GB 10125, GB/T2423.17, 2423.17/12967.3
JIS: D0201, H8502, H8610, K5400, Z2371

| Model | CRS-SM60 | CRS-SM90 | CRS-SM120 | CRS-SM160 |
|-------------------------|---|-----------------|------------------|------------------|
| Internal Dimension | 600*400*450mm | 900*600*500mm | 1200*1000*500mm | 1600*1000*500mm |
| External Dimension | 1070*600*1180mm | 1410*880*1280mm | 1900*1300*1400mm | 2300*1300*1400mm |
| Model | CRS-SM60 | CRS-SM90 | CRS-SM120 | CRS-SM160 |
| Controller | PLC controller, touch-tone controller | | | |
| Temperature Range | Inner Chamber: RT+5°C-55°C; Saturated Air Bath Tank: RT+5°C-63°C; | | | |
| Temperature Tolerance | ≤ ± 1°C | | | |
| Temperature Uniformity | 2°C | | | |
| Temperature Fluctuation | ± 0.5°C | | | |
| Salt Spray Deposition | 1.0-2.0ml/80cm ² .hr | | | |
| Spray Method | Continuous and periodic spray are optional (PLC type); Continuous spray (touch-tone type) | | | |
| Test Time | 1-9999(S,M,H) Adjustable | | | |
| Temperature Control | PID+S, S, R Microcomputer Integrated Controller | | | |
| Temperature Sensor | Platinum Resistance PT100 Q /MV | | | |
| Heating System | All Independent System, Nickel-chromium Alloy Electric Heating Heater | | | |
| Spray System | Tower Spray Device with No Crystallization Nozzle | | | |
| Machine Material | Corrosion Resistance, Anti-aging, Import PP & PVC high strength board | | | |
| Seal | Adopts Water Seal Device And no Salt Fog Overflowing | | | |
| Power Supply | AC220V ± 10% 50Hz | | | |

WATER DRIP TEST CHAMBER

(IP GRADE: IPX1, IPX2)

IPX1 & X2滴水试验箱 IPX1-2



DESIGN DRAWING
测试示意图

仪器简介 Product Introduction

IPX1 & X2滴水试验箱适用于考核电工产品，外壳和密封在滴水环境下能否保证设备和元件良好性能的试验。本产品采用科学设计，使该设备能够逼真的模拟仓库漏水等各种环境。

The chamber is used to test the water proof performance of electronic product under water dripping environment.

技术参数 Technical Parameters

| | | |
|--------------|--|------------------|
| 内箱尺寸 (W*D*H) | 800*800*800mm | 1000*1000*1000mm |
| 外箱尺寸 (W*D*H) | 1300*1000*1700mm | 1500*1200*1800mm |
| 内箱材质 | 304不锈钢 | |
| 外箱材质 | 不锈钢 | |
| 观察窗 | 防水钢化玻璃 | |
| 转盘直径 | 300mm或500mm | 500mm或800mm |
| 转盘转速 | 3 ± 1r/min, 高度可调 | |
| 滴水流量 | IP1: 1 ± 0.5mm/min, IP2: 3 ± 1mm/min, 可调 | |
| 滴水盘 | 600*600mm | 800*800mm |
| 滴水孔距样品 | 20mm | |
| 滴水孔直径 | 0.4mm | |
| 滴水孔间距 | 20mm | |
| 测试周期 | 1~999,999min, 可调 | |
| IPX2转盘角度 | 可倾斜15° | |
| 水箱循环系统 | 内置水箱回收循环利用 | |
| 电源 | 单相, AC220V, 50Hz | |

满足标准 Test Standard

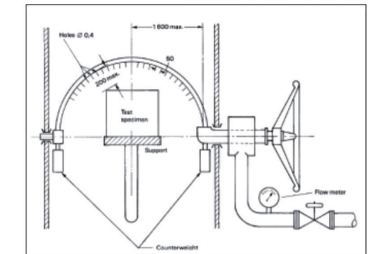
IPX1 & X2, IEC60529, GB4208, GB2423.23, GB5170.38, GB10485...

| | | |
|--|--|------------------|
| Internal Dimension | 800*800*800mm | 1000*1000*1000mm |
| External Dimension | 1300*1000*1700mm | 1500*1200*1800mm |
| Internal Chamber Material | Stainless Steel 304 | |
| External Chamber Material | Stainless Steel | |
| Observation Window | Waterproof Toughened Glass | |
| Sample Turntable | 300mm or 500mm | 500mm or 800mm |
| Rotation Speed | 3 ± 1r/min, Height Can Be Adjusted | |
| Water Drop Speed | IPX1: 1 ± 0.5mm/min, IPX2: 3 ± 1mm/min, 可调 | |
| Dripping Area | 600*600mm | 800*800mm |
| Distance From Drip Box To Specimen Surface | 20mm | |
| Water Drop Hole Diameter | 0.4mm | |
| Distance From Water Drop Hole | 20mm | |
| Test Duration | 1~999,999min, Adjustable | |
| Turntable Angle For IPX2 | 15° Inclined on Either Side of the Vertical in Two Mutually Perpendicular Planes | |
| Water Cycling System | Built-in Water Tank for Recycling | |
| Power Source | Single-phase, AC220V, 50Hz | |

WATER SPRAY TEST CHAMBER

(IP GRADE: IPX3, IPX4)

IPX3 & X4淋雨试验箱 IPX3-4



DESIGN DRAWING
测试示意图

仪器简介 Product Introduction

IPX3 & X4淋雨试验箱适用于考核电工产品，外壳和密封在淋雨环境下能否保证设备和元件良好性能的试验。喷水摆杆的摆动角度以及喷水流量摆动频率都可自动调节。

The chamber is used to test the water proof performance of electronic product under water spraying environment. The oscillating angle and speed of oscillation tube is adjustable.

技术参数 Technical Parameters

| | | | |
|--------------|---|------------------|------------------|
| 内箱尺寸 (W*D*H) | 600*600*600mm | 800*800*800mm | 1000*1000*1000mm |
| 外箱尺寸 (W*D*H) | 1100*800*1500mm | 1300*1000*1700mm | 1500*1100*1700mm |
| 摆管尺寸 | 半径200mm | 半径300mm | 半径400mm |
| 内箱材质 | 304不锈钢 | | |
| 外箱材质 | 不锈钢 | | |
| 观察窗 | 防水钢化玻璃 | | |
| 摆管角度 | 40°、90°、120°、360° | | |
| 摆管速度 | IPX3: 一个周期2'120°, 约4秒钟, 可定制 IPX4: 一个周期2'360°, 约12秒钟, 可定制 | | |
| 喷嘴 | 直径: 0.4mm, | | |
| 喷嘴孔间距 | 50mm | | |
| 转盘直径 | 200mm | 300mm | 400mm |
| 转盘速度 | 1~3 Cycles/min | | |
| 喷水流量 | 0.07 L/min +5% | | |
| 测试周期 | 1~999,999min, Adjustable | | |
| 水箱循环系统 | 内置水箱回收循环利用 | | |
| 电源 | 单相, AC220V, 50Hz | | |

满足标准 Test Standard

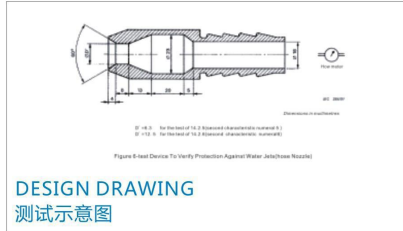
IEC60529, GB4208, GB2423.23, GB5170.38, GB10485...

| | | | |
|------------------------------|---|------------------|------------------|
| Internal Dimension | 600*600*600mm | 800*800*800mm | 1000*1000*1000mm |
| External Dimension | 1100*800*1500mm | 1300*1000*1700mm | 1500*1100*1700mm |
| Oscillating Tube | Radius 200mm | Radius 300mm | Radius 400mm |
| Internal Chamber Material | Stainless Steel 304 | | |
| External Chamber Material | Stainless Steel | | |
| Observation Window | Waterproof Toughened Glass | | |
| Oscillating Angle | 40°、90°、120°、360° | | |
| Oscillating Speed | IPX3: 2'120° for 4s IPX4: 2'360° for 12s | | |
| Spray Nozzle | Diameter: 0.4mm, | | |
| Distance Between Two Nozzles | 50mm | | |
| Turntable Diameter | 200mm | 300mm | 400mm |
| Turntable Rotation Speed | 1~3 Cycles/min | | |
| Water Flow Of Each Nozzle | 0.07 L/min +5% | | |
| Test Duration | 1~999,999min, Adjustable | | |
| Water Cycling System | Built-in Chamber Bottom For Recycling | | |
| Power Source | Single-phase, AC220V, 50Hz | | |

WATER SHOWER TEST CHAMBER

(IP GRADE: IPX5, IPX6)

IPX5 & X6 淋雨试验箱 IPX5-6



仪器简介 Product Introduction

IPX5 & X6 淋雨试验箱适用于考核电子产品，外壳和密封在淋雨环境能否保证设备和元件良好性能的试验。本产品采用科学设计，使得该设备能够逼真的模拟特大暴雨、猛烈喷水等各种环境。

The chamber is used to test the water proof performance of electronic product under water showering environment.

技术参数 Technical Parameters

| | | | |
|--------------|-------------------------|------------------|------------------|
| 内箱尺寸 (W*D*H) | 600*600*600mm | 800*800*800mm | 1000*1000*1000mm |
| 外箱尺寸 (W*D*H) | 1100*800*3600mm | 1300*1000*3600mm | 1500*1200*3600mm |
| 内箱材质 | 304不锈钢 | | |
| 外箱材质 | 不锈钢 | | |
| 观察窗 | 防水钢化玻璃 | | |
| IP等级 | IPX5 | IPX6 | |
| 喷水孔内径 | 6.3mm | 12.5mm | |
| 喷水流量 | 12.5L/min ± 5% | 100L/min ± 5% | |
| 水压力 | 30kPa | 100kPa | |
| 测试周期 | 0-999h59min | | |
| 控制器 | PLC触摸屏控制器 | | |
| 喷水孔距离样品 | 2.5m ~ 3m | | |
| 水循环系统 | 内置水箱回收循环利用 | | |
| 转盘直径 | 200mm | 300mm | 400mm |
| 转盘速度 | 1-3r/min | | |
| 电源 | 三相, AC380V, 50Hz, 4.5kW | | |

满足标准 Test Standard

IEC60529, GB4208, GB2423.23, GB5170.38, GB10485...

| | | | |
|---|---------------------------------------|------------------|------------------|
| Internal Dimension | 600*600*600mm | 800*800*800mm | 1000*1000*1000mm |
| External Dimension | 1100*800*3600mm | 1300*1000*3600mm | 1500*1200*3600mm |
| Internal Chamber Material | Stainless Steel 304 | | |
| External Chamber Material | Stainless Steel | | |
| Observation Window | Waterproof Tempered Glass | | |
| IP Code | IPX5 | IPX6 | |
| Internal Diameter of Nozzle | 6.3mm | 12.5mm | |
| Spray Nozzle | 12.5L/min ± 5% | 100L/min ± 5% | |
| Water Pressure | 30kPa | 100kPa | |
| Distance Between Two Nozzles | 0-999h59min | | |
| Controller | PLC Touch Screen | | |
| Distance From Nozzle to Enclosure Surface | 2.5m ~ 3m | | |
| Water Cycling System | Built-in Chamber Bottom For Recycling | | |
| Turntable Diameter | 200mm | 300mm | 400mm |
| Rotation Speed | 1-3r/min | | |
| Power Source | Three Phase, AC380V, 50Hz, 4.5kW | | |

WATER IMMERSION TEST CHAMBER

(IP GRADE: IPX7, IPX8)

IPX7 & X8 浸水试验箱 IPX7-8



仪器简介 Product Introduction

IPX7&X8浸水试验箱适用于考核电子产品，外壳和密封在浸水环境下能否保证设备和元件良好性能的试验。

The chamber is used to test the water proof performance of electronic product under water immersion environment.

技术参数 Technical Parameters

| | | |
|--------------|-------------------|----------------|
| 内箱尺寸 (W*D*H) | 直径606*高1000mm | 直径820*高1500mm |
| 外箱尺寸 (W*D*H) | 直径820*高1500mm | 直径1000*高2000mm |
| 箱体材质 | 304不锈钢, 厚度3mm | |
| 水压 | 0 ~ 0.5MPa采用空气压缩机 | |
| 测试周期 | 0 ~ 99min, 99sec | |
| 试样提升装置 | 手提式不锈钢吊篮 | |
| 水位显示 | 刻度加水位置 | |
| 控制器 | 数显压力表和计时器 | |
| 电源 | 三相, AC380V, 50Hz | |

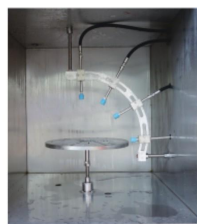
满足标准 Test Standard

IPX7 & X8, IEC60529, GB4208, GB2423.23, GB5170.38, GB10485...

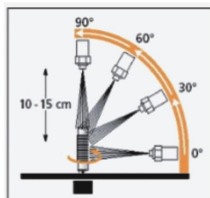
| | | |
|---------------------|---------------------------------|-------------------------------|
| Internal Dimension | Diameter 606 * Height 1000mm | Diameter 820 * height 1500mm |
| External Dimension | Diameter 820 * Height 1500mm | Diameter 1000 * height 2000mm |
| Chamber Material | Thickness304, Thickness3mm | |
| Water Pressure | 0 ~ 0.5mpa Adopt Air Compressor | |
| Test Duration | 0 ~ 99min, 99sec | |
| Sample Lift Device | Portable Stainless Steel Basket | |
| Water Level Display | Water Pipe With Scale | |
| Controller | Digital Pressure Gauge & Timer | |
| Power Source | Three Phase, AC380V, 50Hz | |

HIGH TEMPERATURE & PRESSURE WATER TEST CHAMBER (IP GRADE: IPX9K)

IPX9K高温高压喷射试验箱 IPX9K



SPRAY NOZZLE & SAMPLE TURNTABLE
内箱喷嘴和转盘



SPRAY DIRECTION & TEST DISTANCE
喷水顺序图和测试距离



SYSTEM OF WATERWAYS FLOW METER
水路系统 流量计



仪器简介 Product Introduction

IPX9K高温高压喷射试验箱适用于考核电工产品，外壳和密封在高温高压喷水环境下能保证设备和元件良好性能的试验。

The chamber is used to test the water proof performance of electronic product under high temperature and pressure water spraying environment.

技术参数 Technical Parameters

| | | |
|--------------|-------------------------------|------------------|
| 内箱尺寸 (W*D*H) | 800*800*800mm | 1000*1000*1000mm |
| 外箱尺寸 (W*D*H) | 1300*1000*1700mm | 1500*1200*1900mm |
| 内箱材质 | 304不锈钢 | |
| 外箱材质 | 不锈钢 | |
| 水温 | 80 ± 5°C | |
| 水压 | 80 ~ 100bar (8000 ~ 10000Kpa) | |
| 喷水孔数 | 4个 | |
| 水流量 | 14 ~ 16L/min | |
| 喷水距离 | 100 ~ 150mm, 高压热喷射 | |
| 喷水角度和时间 | 0°, 30°, 60°, 90°, 每个角度喷水30秒 | |
| 转盘速度 | 5r/min | |
| 水循环系统 | 内置水箱回收循环利用 | |
| 控制器 | PLC触摸屏控制器 | |
| 水泵 | 意大利进口高温高压柱塞泵 | |
| 电源 | 三相, AC380V, 50Hz, 12kW | |

| | | |
|---------------------------|--|------------------|
| Internal Dimension | 800*800*800mm | 1000*1000*1000mm |
| External Dimension | 1300*1000*1700mm | 1500*1200*1900mm |
| Internal Chamber Material | Stainless Steel 304 | |
| External Chamber Material | Stainless Steel | |
| Spray Water Temperature | 80 ± 5°C | |
| Spray Water Pressure | 80 ~ 100bar (8000 ~ 10000Kpa) | |
| Spray Nozzle No | 4pcs | |
| Water Flow | 14 ~ 16L/min | |
| Spray Water Distance | 100 ~ 150mm | |
| Spray Water Angle | 0°, 30°, 60°, 90°, Each Angle Spray For 30 Seconds | |
| Sample Rotation Speed | 5r/min | |
| Water Cycling System | Built-in Chamber Bottom For Recycling | |
| Controller | PLC Touch Screen | |
| Water Pump | Italy High Temperature And Pressure Plunger Pump | |
| Power Source | Three Phase, AC380V, 50Hz, 12kW | |

满足标准 Test Standard

IPX9K, IEC60529, GB4208, GB2423.23, GB5170.38, GB10485, IEC20653...

BIOCHEMICAL INCUBATOR 生化培养箱 PYX



仪器简介 Product Introduction

生化培养箱广泛用于医疗卫生、防疫检验、生物制药、畜牧研究、环境保护、农业科研等科研部门。

生化培养箱是水体分析、BOD测定、细菌、菌种、微生物的培养，疫苗、血液、各种标本的保存与试验以及植物栽培、育种实验等生物培养的专用设备。

This machine is widely apply to medical treatment public health, epidemic prevention, animal husbandry researching, environment protection, agricultural scientific research, and other scientific research department.

Biochemical incubator is the special equipment of water analyze, BOD testing, germ, stain, cultivation of microorganism and the vaccine, the blood, all kinds of specimens to the preservation of test and plant cultivation, breeding biology cultivation experiment.

技术参数 Technical Parameters

| | |
|-------------------------------|---|
| 容积 Capacity | 70, 100, 150, 250, 350, 500L可选(can be customized) |
| 温度控制范围 Temperature Range | 5 ~ 55°C |
| 温度分辨率 Temperature Resolution | 0.1°C |
| 温度波动度 Temperature Fluctuation | ± 0.3°C |
| 温度均匀度 Temperature Uniformity | ± 0.8°C |
| 制冷剂 Refrigeration | R600 |
| 功率 Power | 140W |
| 电源电压 Power Voltage | 220VAC 50HZ |
| 内箱尺寸 (W*D*H) Inner Box Size | 410*210*730mm |
| 外箱尺寸 (W*D*H) Outside Box Size | 520*480*980mm |
| 其它 Other | 聚氨酯整体发泡ABS内胆 Polyurethane Foam ABS Liner |

DRYING OVEN 干燥箱 (烘箱) HX



仪器简介 Product Introduction

干燥箱 (烘箱) 用于干燥、烘烤、预热各种材料或试片，采用热风循环方式加温分布均匀。

The machine is used to drying, baking and preheating all kinds of materials or specimens. The temperature heating by hot air circulation, more uniformity.

技术参数 Technical Parameters

| | | | |
|-------------------------|---|----------------|------------------|
| 型号 Model | CRS-HX250 | CRS-HX350 | CRS-HX450 |
| 内箱尺寸 Internal Dimension | 250*250*250mm | 350*350*350mm | 450*450*350mm |
| 外箱尺寸 External Dimension | 480*500*500mm | 580*670*510mm | 680*770*510mm |
| 型号 Model | HD-E804-55 | HD-E804-75 | HD-E804-100 |
| 内箱尺寸 Internal Dimension | 550*550*450mm | 750*600*500mm | 1000*800*800mm |
| 外箱尺寸 External Dimension | 820*900*670mm | 1020*950*720mm | 1330*1150*1020mm |
| 温度范围 Temperature Range | 常温 ~ 200°C or 300°C, 可非标定制 RT ~ 200°C or 300°C, can be customized | | |
| 精度 Accuracy | ± 1% | | |
| 电热器 Heater | 3kW · 4kW | | |
| 马达 Motor | 1/4HP | | |
| 电源 Power | 1 AC 220V, 14.5A; 1 AC 220V, 19A | | |
| 内胆材质 Liner Material | 不锈钢/碳钢 Stainless Steel/Carbon Steel | | |

VIBRATION TEST SYSTEM WITH TEMPERATURE & HUMIDITY CHAMBER

温湿度三综合振动试验箱 THZ



仪器简介 Product Introduction

该系列产品适用于航空航天产品、汽车、新能源、电子仪器仪表、材料、电工、电子产品、各种零部件在温度-湿度-振动三因素综合环境条件下检验其各性能指标，可实现综合环境可靠性试验、可靠性增长试验、可靠性鉴定试验(RQC)、产品可靠性验收(PRAT)、例行试验、应力筛选试验(ESS)等。

The test system adopts test for aerospace products, automotive, electrical appliances and instruments, materials, coatings and other parts under temp. Humidity and vibration environment condition. It's widely used to do environmental endurance test, reliability growth test, reliability qualification test (RQC), product reliability acceptance test (PRAT), routine test, environment stress screening test (ESS) and so on.

满足标准 Test Standard

GB10586, GB10589, GB10592, GB/T2423, IEC68-2-3, IEC68-2-1, IEC68-2-30...

技术参数 Technical Parameters

| | | |
|--------------------------------------|---|---|
| Environmental Chamber 环境仓技术指标 | 内箱尺寸 Internal Dimension(W*D*H) | 600*600*800mm, 800*700*900mm, 1000*1000*1000mm等, 可定制(Can be Customized) |
| | 温度范围 Temp. Range | 0℃, -20℃, -40℃, -70 ~ +150℃ |
| | 温度偏差 Temp. Tolerance | ≤ ± 2℃ |
| | 温度波动度 Temp. Fluctuation | ≤ ± 0.5℃ |
| | 温度均匀度 Temp. Uniformity | ≤ 2℃ (空载 Without Loading) |
| | 湿度范围 Humid. Range | 20% ~ 98%RH |
| | 湿度偏差 Humid. Tolerance | ≤ ± 3% |
| | 湿度波动度 Humid. Fluctuation | ≤ ± 2% |
| | 湿度均匀度 Humid. Uniformity | ≤ ± 3% |
| | 升温速率 Heating Rate | 3 ~ 5℃/min, 可定制 Can be Customized |
| | 降温速率 Cooling Rate | 0.7 ~ 1.2℃/min, 可定制 0.7 ~ 1.2℃/min, Can be Customized |
| | 内胆材质 Internal Material | #304不锈钢 Stainless Steel 304 |
| | 外箱材质 External Material | 不锈钢或A3钢板喷塑处理 Stainless Steel or Paint Spray |
| | 制冷方式 Cooling Method | 单级压缩、复叠式双级压缩 Single-stage Compression, Second-stage Compression |
| | 冷凝方式 Condensation Method | 风冷或水冷 Air-Cooled/ Water Cooled |
| | 操作界面 Operation Panel | 可编程液晶触摸屏 Programmable LCD Touch Screen |
| 运行方式 Running Mode | 恒定运转、程序运转 Fix Running, Pattern Running | |
| 程序记忆容量 Program Memory Capacity | 120组可编程序, 每个程序最大100段 120 Group Programs, Max. 100 Sections for Each program | |
| 保护功能 Protection Function | 具有自诊断和保护功能, 能够在发生故障时自动报警和停机 Equips self-diagnosis and self-protection function, machine can automatic to send alarm and shut down when failures happen | |
| 位置调整 Position Adjustment | 环境仓可定制移动导轨, 支持上下、左右移动 Chamber can be customized to move by guide rail, support up and down, left and right movement | |
| Vibration Table 振动试验台技术指标 | 额定正弦激振力 (peak) Rated Sine Excitation Force | 10kN, 20kN, 可定制 10kN, 20kN (Can be Customized) |
| | 额定随机激振力 (rms) Rated Random Excitation Force | 10kN, 20kN, 可定制 10kN, 20kN (Can be Customized) |
| | 冲击激振力 (peak) Shock Excitation Force | 20kN, 50kN, 可定制 10kN, 50kN (Can be Customized) |
| | 振动方向 Vibration Direction | 垂直、水平垂直 Vertical or Horizontal and Vertical |
| | 最大加速度 Max Acceleration | 981 m/s ² |
| | 额定速度 Rated Speed | 2m/s |
| | 频率范围 Frequency Range | 5Hz~3000Hz, 5000Hz |
| | 工作振幅 Amplitude | 0~51mm |
| | 最大速度 Max Speed | 2 m/s |
| | 隔振频率 Vibration Isolation Frequency | 2.5Hz |
| | 额定载荷 Rated Load | 0~300kg, 可定制 0~300kg (Can be Customized) |
| | 工作台面直径 Working Diameter | φ 150 mm, φ 240 mm, 可定制 φ 150 mm, φ 240 mm (Can be Customized) |
| 垂直扩展平台 Vertical Extend Platform | 300*300mm, 400*400mm等, 可定制 300*300mm, 400*400mm (Can be Customized) | |
| 水平扩展平台 Horizontal Extend Platform | 300*300mm, 400*400mm等, 可定制 300*300mm, 400*400mm (Can be Customized) | |
| 冷却风机 Cooling Fan | 功率: 4kw, 风压: 3.5kpa, 流量: 0.33m ³ /s Power: 4KW, Wind Pressure: 3.5Kpa, Flow: 0.33m ³ /s | |
| 数字功率放大器 Digital Amplifier | 输出功率: 10kVA, 输出电压: 100V, 输出电流: 100A, 谐波失真<1% Output Power: 10KVA, Output Voltage: 100V, Output current: 100A, Harmonic Distortion: <1% | |

ELECTRO-DYNAMIC VIBRATION TEST SYSTEM

电动振动试验系统 HFV



电动振动试验系统参数表 Parameter

| 系统型号 Model | CRS-HFV300 | CRS-HFV600 | CRS-HFV1000 | CRS-HFV2000 | CRS-HFV3000 | CRS-HFV5000 |
|--|------------|------------|-------------|-------------|-------------|-------------|
| 正弦推力 Peak(kN)Sine Force | 2.94 | 5.88 | 9.8 | 19.6 | 31.36 | 53.9 |
| 频率范围(Hz) Frequency range | 5-4000 | 5-3500 | 5-3000 | 5-2500 | 5-2500 | 5-2500 |
| 最大位移(mm) Max. displacement | 25.4 | 51 | 51 | 51 | 51 | 51 |
| 最大速度(m/s) Max. speed(m/s) | 2 | | | | | |
| 最大加速度(m/s ²) Max. acceleration(m/s ²) | 981 | | | | | |
| 动圈直径(mm) Moving-coil diameter(mm) | 150 | 200 | 240 | 320 | 320 | 445 |
| 运动部件等效质量(kg) Moving part mass(kg) | 3 | 6 | 10 | 22 | 32 | 55 |
| 一阶共振频率(Hz) First-order resonant frequency(Hz) | 2800 | 3000 | 2500 | 2400 | 2100 | 2000 |
| 台面螺钉尺寸(标准) Screw dimension (standard) | M8 | M8 | M10 | M10 | M10 | M12 |
| 轴向隔离频率(Hz) Axial isolation frequency(Hz) | <3 | | | | | |
| 最大载荷(kg) Max. load(kg) | 120 | 300 | 300 | 300 | 500 | 1000 |

| 功放型号 Amplifier model | VSA-H402A (300) | VSA-H802A (600) | VSA-H123A (1000) | VSA-H243A (2000) | VSA-H323A (3000) | VSA-H563A (5000) |
|---|--|-----------------|------------------|------------------|------------------|------------------|
| 最大输出功率(kVA) Max. output power(kVA) | 4 | 8 | 12 | 24 | 32 | 56 |
| 信噪比(dB) Signal to noise ratio(dB) | >65 | | | | | |
| 额定输出电压(Vrms) Rated output voltage (Vrms) | 120 | | | | | |
| 功放功率 Amplified power | >95% | | | | | |
| 系统保护 Protection | 具有多种性能保护 Multi-protection for performance | | | | | |

| 风机型号 Ventilation model | PBL-W03 (300) | PBL-W03 (600) | PBL-W03 (1000) | PBL-W03 (2000) | PBL-W03 (3000) | PBL-W03 (5000) |
|---|---------------|---------------|----------------|----------------|----------------|----------------|
| 风机功率(kW) Power(kW) | 0.75 | 4 | 4 | 7.5 | 15 | 15 |
| 风量(m ³ /s) Air volume(m ³ /s) | 0.2 | 0.3 | 0.356 | 0.68 | 0.66 | 1.36 |
| 风压(kg/cm ²) Wind pressure(kg/cm ²) | 0.015 | 0.048 | 0.058 | 0.059 | 0.075 | 0.08 |
| 风管直径(mm) Air hose diameter(mm) | 120 | 120 | 120 | 200 | 200 | 200 |

| 系统工作环境要求 Working environment | CRS-HFV300 | CRS-HFV600 | CRS-HFV1000 | CRS-HFV2000 | CRS-HFV3000 | CRS-HFV5000 |
|---|---|--|--|--|--|--|
| 温度(°C) Temperature(°C) | 0-40 | | | | | |
| 湿度 Humidity | 0-90%，不结霜 without frost | | | | | |
| 电源要求 Power | 3相 Three phase AC, 380V±10%, 50Hz, 7kVA | 3相 Three phase AC, 380V±10%, 50Hz, 16kVA | 3相 Three phase AC, 380V±10%, 50Hz, 26kVA | 3相 Three phase AC, 380V±10%, 50Hz, 40kVA | 3相 Three phase AC, 380V±10%, 50Hz, 69kVA | 3相 Three phase AC, 380V±10%, 50Hz, 90kVA |
| 压缩空气要求(Mpa) Required compressed air(Mpa) | 0.6 | | | | | |

选购设备Optional accessories

○水平滑台 Horizontal Slider ○移动装置 Moving Device ○垂直扩展台面 Vertical extended table ○隔热板 Isolated plate ○夹具 Clamp

仪器简介 Product Introduction

超强性能、可扩展性测试

电动振动台在力学环境测试中必不可少，扮演着非常重要的角色，为现代化的产品设计、验证、生产提供了振动环境模拟试验平台。HD利用最先进的振动控制器，基于闭环控制，推出了国内一流性能的电动振动试验系统。该系统能够准确地复现真实的振动激励对产品可靠性的影响，广泛应用于航空航天、电子、汽车、包装运输、高校科学研究等行业。

风冷系列电动振动试验系统涵盖了单轴向到多自由度，推力从3KN到50KN的多个型号电动振动台。该系列振动台具有可靠性高，工作频率宽，占地面积小，移动方便，操作维护简单等特点，为您的振动环境试验提供新的选择。

High Performance, Extended Test

Electro-dynamic Vibration test machine plays an important role in environmental testing. It provides a simulated testing area for product design, assumption and production. Haida adopts advanced vibration controller, based on the closed-loop system control. The system can accurately reproduce the actual vibration on products reliability test, it's applicable for industries like electronic, automotive, aerospace, aviation, etc.

Air-cooled electro-dynamic vibration test system is covered single-axis from multi-dof and provides models with wide range force output from 3kn to 50kn. The series of test machine is highly reliable, wide working frequency, very small occupied area, convenient transportation, easy operation and etc., it provides more option for your vibration test.

FORMALDEHYDE TEST CHAMBER

甲醛气候箱 FEB1000



仪器简介 Product Introduction

本产品适用于各种人造板、复合木质地板以及地毯、地毯衬垫、地毯胶粘剂等室内装修材料甲醛释放量的测定，可用于其它挥发性有害气体的检测。可最大限度的模拟室内空气环境，检测结果更贴近现实环境，因而真实、可靠。

工作原理 Working principle

将1m²表面积试样放入温度、相对湿度、空气流速和空气置换率控制在一定值的试验箱内。试样释放出甲醛，与箱内空气混合，抽取箱内空气，将抽出的空气通过蒸馏水，甲醛溶入水中；从而计算出每立方米空气中的甲醛量。

Machine Introduction: it is used to test formaldehyde emission of various wood-based panel, composite wood flooring, carpet, carpet padding, and other interior decoration materials, also other building materials under constant temperature humidity.

Put the sample into 1 square meter test chamber, under specify temperature, humidity, air velocity. The formaldehyde will be released from samples and mixed with air in chamber. The air will be drawn through the absorption bottle is filled with distilled water, all the formaldehyde in air dissolve in the water; measure the amount of formaldehyde in the absorption solution and extraction of air volume, and show it by micrograms per cubic meter (mg/m³).

设计标准 Design standard

GB18580-2017, GB18584, GB18587-2001, GB17657-2013, GB50325-2010 (2013年版), ASTM D6007-14, EN 717-1, ASTM D6007-2, GB/T 31107-2014, SJZJ52-2016...

技术参数 Technical Parameters

| | |
|-------------|--|
| 型号 | CRS-FEB1000 |
| 外形尺寸(W*D*H) | 1630*1200*1850mm |
| 箱内容积 | 1.0±0.02m ³ |
| 温度范围 | 10~40℃, 精度: ±0.5℃, 分辨率: 0.1℃, 连续可调 |
| 湿度范围 | 30~80%, 精度: ±3%, 分辨率: 0.1%, 连续可调 |
| 密封性 | 当有1000Pa的过压时, 气体泄漏少于10~3×1m ³ /min, 进出口气体流量差<1% |
| 本底浓度 | 甲醛≤0.006mg/m ³ |
| 箱内空气流速 | 0.1~2m/s, 精度: ±0.05m/s, 连续可调 |
| 工作时间 | 气候箱连续工作时间不小于40天 |
| 空气置换率 | 0.2~2m ³ /h, 精度: ±5%, 连续可调 |

| | |
|----------------------|---|
| Model | CRS-FEB1000 |
| Dimension | 1630*1200*1850mm |
| Inner volume | 1.0±0.02m ³ |
| Temp. range | 10~40℃, accuracy: ±0.5℃, Resolution: 0.1℃, Adjustable |
| Humid. range | 30~80%, accuracy: ±3%, Resolution: 0.1%, Adjustable |
| Leakproofness | 1KPa relative pressure, leakage rate < 10~3×1m ³ /min, import and export air differ < 1% |
| Background levels | formaldehyde≤0.006mg/m ³ |
| Air flow | 0.1~2m/s, accuracy: ±0.05m/s, Adjustable |
| Working time | not less than 40 days |
| Air replacement rate | 0.2~2m ³ /h, accuracy: ±5%, Adjustable |

配置清单 Configuration list

标配: 主机一台、抽样管、吸收瓶、气体采样器

选配: 分光光度计, 水浴锅, 药剂, 玻璃仪器, 标准溶液, 天平

Standard: test chamber, sampling tube, absorption bottle, gas sampler

Optional: spectrophotometer, water bath, medicament, glass apparatus, standard solution, balance

产生甲醛的物品有哪些? What are the products that produce formaldehyde?



纺织布
extile cloth



涂料
coating



皮革制品
fur product



油漆添加剂
paint additive



地板
floor

危害: 长期接触低剂量甲醛, 能引起慢性中毒, 引发呼吸系统、神经系统、生殖系统等疾病。

Damage: Long-term exposure to low dose formaldehyde can lead to chronic poisoning, and cause disease in respiratory system, nervous system, reproductive system and so on.

售前服务 Pre-sales Service



仪器专业培训

Training



与客户沟通

Lab Consultant Service



展示仪器解决方案

Test Solution Presentation



生产基地考察

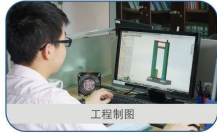
Production Facility Investigation

研发过程 R&D Process



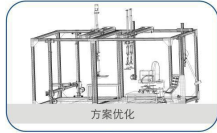
研发会议

R&D Conference



工程制图

Design Drawing



方案优化

Proposal Optimization



客户确认

Customer Confirmation

服务体系流程

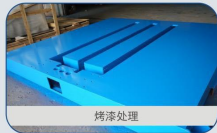
Customer Service Process

生产组装 Production & Assembly



电焊处理

Welding Process



烤漆处理

Paint Baking Process



仪器组装

Equipment Assembly



仪器调试

Equipment Debugging

调试检验 Debugging Inspection



软件调试

Software Debugging



样品测试

Sample Testing



配件检验

Component Inspection



数据校准

Data Calibration

技术培训 Technical Training



售后人员技术培训

Technician Training



计量院专业鉴定培训

Measurement Institutes Professional Training



越南BV现场技术培训

Bv Vietnam Onsite Training



华南农业大学技术培训

SCAU Technical Training

仪器维护 Instrument Maintenance



售后服务团队

Technical Support Team



仪器交付确认

Customer Inspection Acceptance



Intertek现场培训

Intertek Onsite Training



Intertek保养维护

Intertek Onsite Support

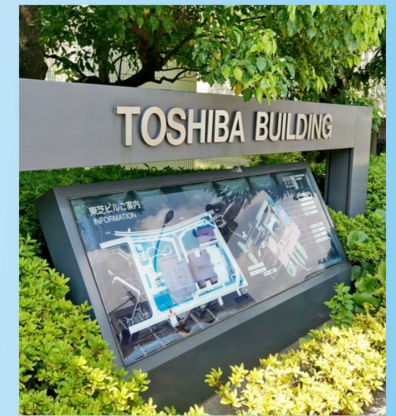
知名企业客户

娃哈哈、汇源集团、思念食品、旺旺集团、中粮集团、立白集团、福建达利集团、盼盼食品、李锦记、嘉里粮油、光明乳业、雨润集团、蒙牛集团、伊利集团、康师傅、中国石化、金锣肉制品集团、九阳小家电、美的集团、格力集团、海信集团、康佳集团、海尔集团、以纯集团、华芳集团、万宝集团、长虹集团、龙光集团、两面针集团、金立手机、长城计算机集团、金河田实业、安姆科集团、伟易达集团、富士康集团、长城汽车、比亚迪、太太药业、哈药集团、霸王集团、顺丰快递、耐克、雪花啤酒、金威啤酒、哈尔滨啤酒、青岛啤酒、生力啤酒、燕京啤酒、中国石油、常州铭赛机器人、河北汉光重工、山西飞虹微米纳米光电、武汉航达航空科技、天瑞集团



橡塑、五金、电子企业客户

东芝家用电器、深圳市展宇丰工程塑胶、广州锋达橡胶、东莞宇益塑胶制品、建兴塑胶五金制品、恒源昌五金塑胶制品、东莞创域塑胶工业、银燕塑胶容器、宝豪塑胶五金制品、伟豪塑胶五金制品、汕头健生塑胶制品、宝龙塑胶厂、东莞力嘉塑胶制品、江门信益硅胶厂、新乡市西满塑料制品、焦作润泰塑胶、佛山立章塑料包装、天津西祥塑料制品、中山冠麟塑胶、昆明恒裕塑业、佛山市宝龙实业、固安名仕塑胶包装、北京好运兴塑料制品、广州宝意塑胶包装制品、百利电子塑胶、柳州中天塑胶、银燕塑料容器、卓益塑胶制品、吉林金拓塑料、日清五金塑胶、深圳市展宇丰工程塑胶、创域塑胶工业、富怡塑胶实业、广州钰鑫环保塑胶、惠州建邦紧密塑胶、盛嘉伦橡胶工业、聚星塑胶制品、深圳天众塑胶、万泰橡胶、晋勇橡胶工业、广州高玮金属制品、东莞佑辉五金、佛山益晖五金、江门丰润五金制罐、沧州威克特五金制品、金荣华乐金属制品、中山骏伟金属制品、广州宝利五金电器、卡士莫实业、奥仕达主力电器、英威腾电气股份、中山市松井电器、国光电器股份、广州市显华家电、利民电器、艾礼富电子、嘉冠华电子、德州泓淋电子、重庆嘉皇汽车配件、四川蓝宾汽车零部件、武汉力登维汽车部件、柳州长鹏汽车部件、昆山小小恐龙儿童用品、中山市集美玩具厂、圣得贝儿童用品、美泰玩具集团、镇泰玩具厂、深圳莱思乐日用品、展发TCN塑胶玩具、苏州威凯儿童用品



质检所、科研院校客户

东莞质量监督检测、东莞检验检疫局、SGS、深圳天祥 (Intertek)、莱茵检测 (TUV)、华测检测 (CTI)、广州威凯检测 (CVC)、谱尼测试 (PONY)、惠州质检所、惠州质量计量监督检测所、东莞中堂政府采购中心、厦门质检所、漳州质检所、三明质检所、永州质检所、南京市产品质量监督检验院、湖南省质量技术监督局、玉环县质量技术监督检测中心、金华市粮油饲料产品质量监督检验站、无锡市产品质量监督检验中心、太仓市计量测试检定所、香港标检、国家皮革质量监督检验中心、北京铁道研究院、浙江省质量检测科学研究院、中国船舶重工第725研究所、航空动力机械研究所、华东理工大学苏州工业技术研究院、苏州工业园区新国大研究院、江南石墨烯研究院、重庆绿色智能技术研究院、苏州市职业大学机电工程学院、中南大学、厦门大学、福建农林大学、福州大学、福建工程学院、中国矿业大学、上海理工大学、西北工业大学、深圳大学、苏州大学、清华大学、华南理工大学、中国人民大学、哈尔滨工业大学、西安交通大学、浙江大学、华中科技大学

