

Xenon Test Chamber



● The introduction of Xenon lights resistant to climate testing machine

The main factor causing the material aging is sunlight and moisture. Xenon lamp test machine can do harm climate simulation caused by sunlight, rain and dew. Use the effect of simulated sunlight by xenon lamp, Using condensation moisture to simulate rain and dew, To test the measured material when placed at a certain temperature and light cycle according to moisture in the alternating. The damage will appear to the outdoors for months and years, with days or weeks, Artificial accelerated aging test data can help select new materials, Transformation of the existing materials, As well as how the change in the formula is affecting the durability of the product.

● The performance of product

- The full spectrum of xenon lamp
- Multiple alternative filtration systems
- Water spray function
- Relative humidity control.
- The air temperature control system of water-cooled xenon lamp test machine
- Irregular shape sample holder
- High quality low price Xenon arc lamp
- Easy to install and use, basically do not need to maintain the characteristics of routine maintenance.
- Xenon arc lamp lifetime depends on the irradiate level used in general, the lamp life is 500 hours. It is Convenient and quick to replacement, the filter water cooled xenon lamp machine to provide long-term guarantee to maintain the desired spectrum.

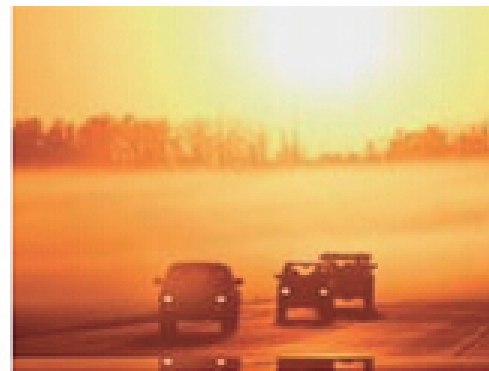
Model		SM-300XD	SM-800XD	SM-1200XD
Inner Dimension D×W×H		600×600×600	900*900*900	1000*1200*1000
Outer Dimension D×W×H		1450×1350×1650	1750*1650*1950	1850*1950*2050
Water cooled xenon lamp power		4.5KW		
Performance & Parameters	Temperature range	RT+10℃ ~ 90℃		
	Humidity range(Light)	10% ~ 78% R.H		
	Humidity range(Dark)	10% ~ 98% R.H		
	Rainfall duration	1 to 9999 hours and 59 minutes adjustable		
	Rainfall cycle	1 to 9999 hours and 59 minutes adjustable		
	Light source	290nm ~ 400nm		
	Irradiance deviation	±0.1 W/ m ²		
	Irradiation intensity	290nm ~ 400nm nm when 60 W / m ² adjustable		
	irradiatometer	Meet testing requirements		
	Irradiance calibration function	Automatic calibration, and meet the requirements of the National Metrology Department		
	Xenon lamp power	4.5KW (life: 2000 hours)		
Temperature and humidity control system	Accuracy range	Setting / accuracy: temperature 0.1, humidity, 1% R.H		
	Temperature and humidity sensor	Platinum resistance PT100Ω/MV		
	Heating system	The whole system independent, nickel chromium alloy electric heating type heater		
	Humidification system	External isolated, stainless steel shallow surface evaporative humidifier		
	Blackboard temperature	40-110℃		
	Water supply system	With automatic control by filter, humidification water. Cooling water loop xenon lamp		
	Temperature controller	Imported Waylen color touch screen and PLC control module Siemens Germany		
	Circulatory system	Low temperature and low noise air conditioning motor		
Materials used	Outer box material	High quality carbon steel phosphating, electrostatic spray processing		
	Inner box material	SUS304 stainless steel plate		
	Sample frame material	SUS304 high quality stainless steel bar		
	Door frame heat insulation	High temperature aging silicone rubber door seal		
Safeguard	Leakage, short circuit, over temperature, water shortage, motor overheating, over current protection			
Power supply voltage	Three phase and five wire system			



Additives and colorants



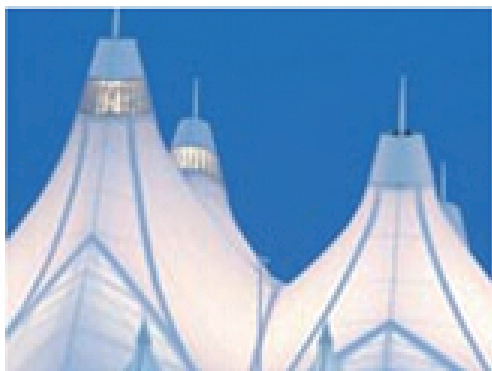
Adhesives and Sealants



Automobile and motorcycle industry



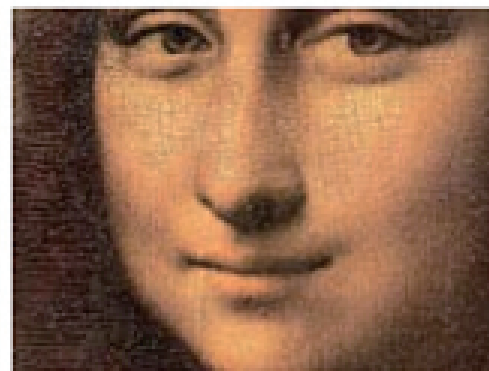
Building materials



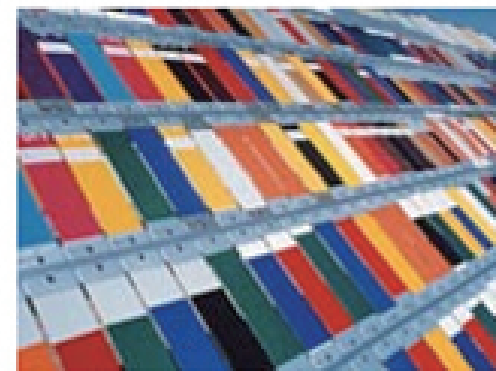
Textile



Food and Drink



Flat-screen graphic arts



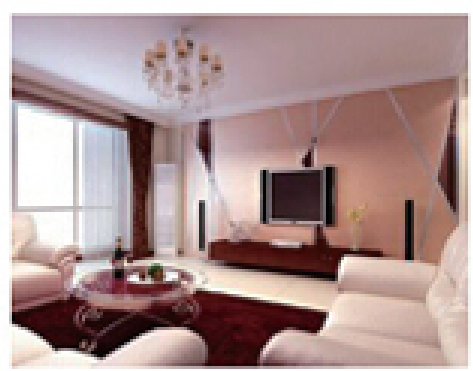
Paints and coatings



Pharmaceuticals \ cosmetics



Plastic packaging materials



Leather, furniture



Energy Industry

Control System



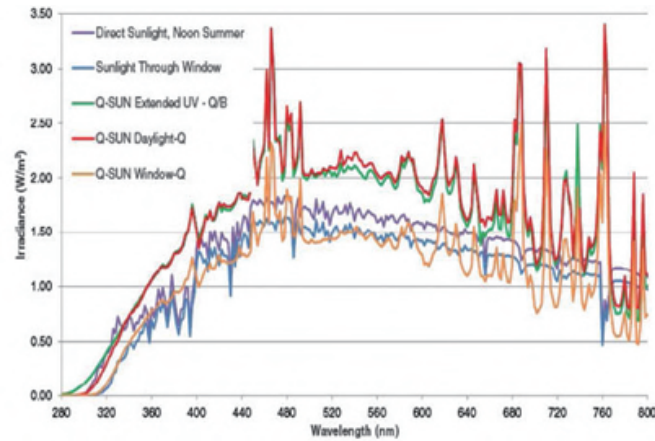
Professional xenon lamp irradiance of temperature and humidity controller, there is light, rain, temperature and humidity weather conditions

Xenon arc lamp



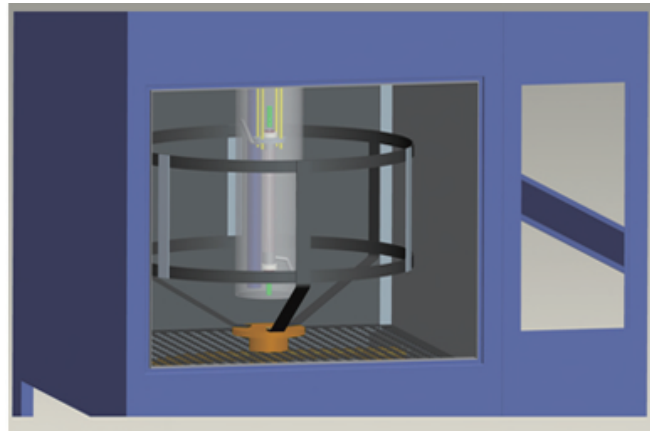
Xenon elderly chamber xenon arc lamps to simulate the best full spectrum sunlight

Spectrum



Solar Eye Irradiance Control system can continuously monitor and control the intensity of output, irradiance control point can be selected from 290nm-800nm

Sample holder



360-degree rotating sample holder that can hold samples of different sizes, including three-dimensional parts

Water spray filter



Measuring instrument simulation options by pure water shower outdoors in wet etching, in order to facilitate the user in the machine is equipped with filter tap water

Inlet and outlet



In the bottom of the device is equipped with inlet and outlet, user-friendly

The Experience you Rely on...

Sanwood Environmental Chambers was established in 1995, which integrated Taiwan and Japan technologies. We have been focus on the most secure and reliable climatic test chamber technology since established. And has become a private science and technology enterprises in Dongguan,Guangdong Province, which passed the ISO9001:2008 quality system certification.

Our products upgrade constantly and our customers come portable batteries, power batteries, battery, lithium batteries, lead-acid, new energy vehicles, electric bicycles, electric tools, electric systems, solar, military, universities research and other technology industries fields.

Having experienced nearly 20 years efforts, we have successfully developed a series of products:

- High and low temperature test chamber
- explosion-proof type thermal shock chamber
- an explosion-proof type temperature test box
- walk-in temperature and humidity chamber
- weather resistance test chamber
- battery thermal abuse test box
- explosion-proof type hot box
- Temperature&humidity&Vibration integrated test chamber
- dust test box
- vibration table
- rain test chamber
- ozone test box
- xenon lamp test chamber
- high temperature oven
- seawater immersion box

All of products meet GB31241、IE62133、QCT/743、UN38.3、UL2054 Standard. And we have had a good cooperation with ATL, Sony, Sunwoda, Desay, Samsung, BYD, Toyota, Yutong Bus, Nissan, Guangdong Province entry-exit, Tsinghua University, Henan University, Chinese Academy of Sciences, Central South University Successively.

Enterprise vision:

Sanwood Technology has established a large production base in Dongguan after many years efforts. The plant area reached more than 12000 square meters. The foreign trade branch and foreign service agencies were established in 2010. And branches successively established in Taiwan, Suzhou, Hunan, Hubei, Beijing, Henan. Excellent products and good after-sales service make us won the recognition and trust of customers. Products are exported to more than 30 countries, such as Russia, Singapore, the United States, Turkey, Denmark, Vietnam, India, Malaysia, Kazakhstan, Austria, Canada, etc. In the age with fierce competitions, Sanwood thrived little by little and aims to become the leading brand in the safety and reliability environmental test equipment industry all over the world.



Focusing on the innovation of environmental reliability test

Sanwood(HK)Industrial Corporation.,Limited
Guang dong Sanwood Technology Corporation.,limited

ADD:Changping Science&Technology park,Changping,
Dongguan city,Guangdong province,China

TEL:+86+769-81182799

FAX:+86+769-82987199

E-mail:info@climatic-chambers.com.tw

www.climatic-chambers.com.tw

www.environmental-chambers.ru