

UV aging test chamber

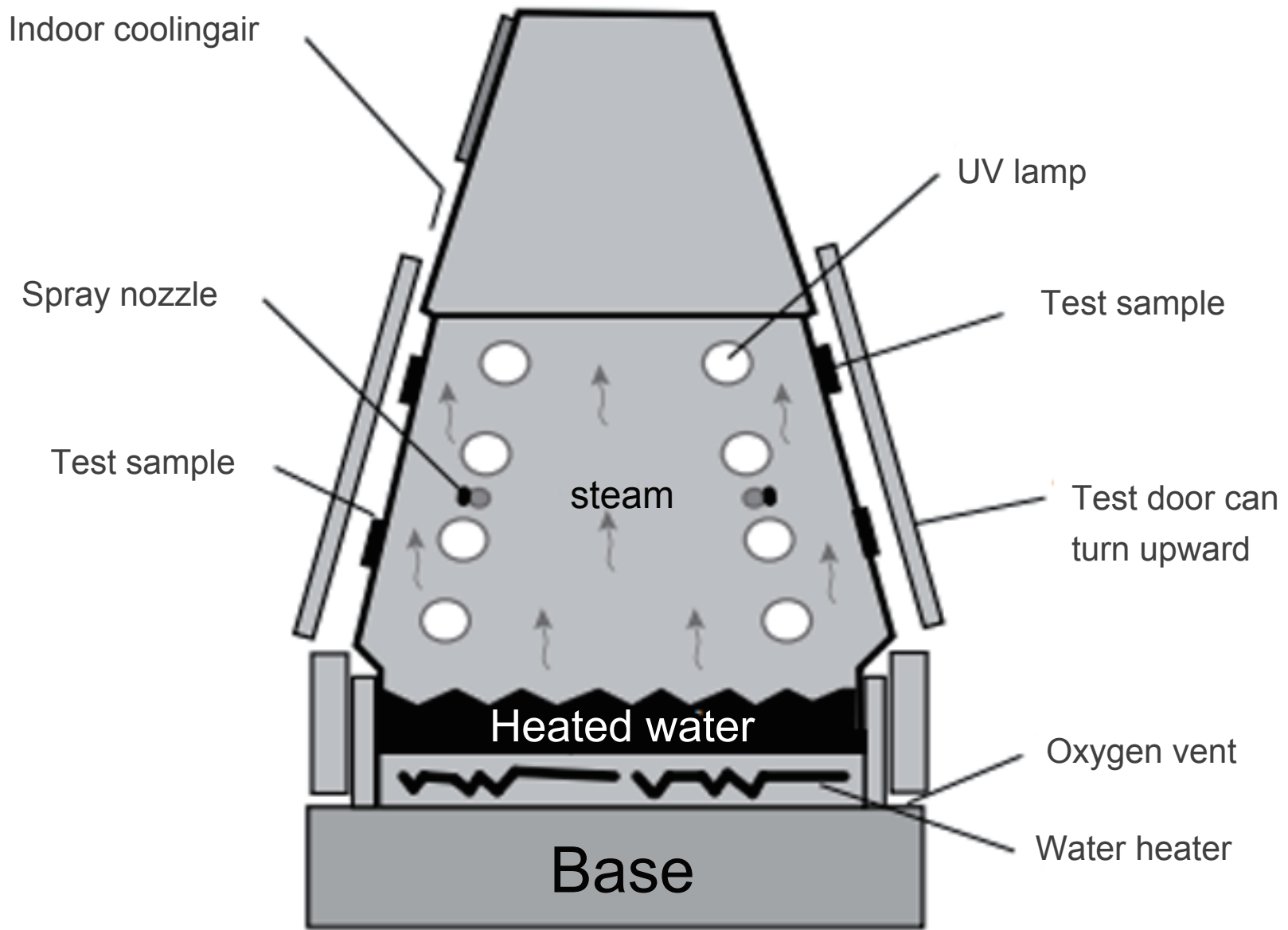


General standard

- ISO 4892-1 Plastic-Methods of exposure to laboratory light sources
- ASTM G-151 Standard Test Method for non metallic materials exposed to accelerated test equipment using laboratory light sources
- ASTM G-154 Test Methods for non-metallic materials exposed to the UV fluorescence device
- British Standard BS 2781:Part5 Test Methods 540B (Methods of exposure to laboratory light sources)
- SAE J2020 Using fluorescent UV / condensation equipment for automotive exposure test
- JIS D 0205 Burn-in test method of auto parts(Japan)

Model		SM-UV600-C	SM-UV800-C
Inner Dimesion		W1100 ×H500mm	W1200 ×H600 × D450mm
Application Area		Simulate sunlight, dew on materials and products cause harm test, widely used for weather-resistant properties of the material	
Standard		GB/T 16422.3, GB/T5170.9	
Performance	Temperature range	Room temperature +10℃~+70℃	
	Temperature fluctuation	≤±0.5℃	
	Humidity Range	95%-100%RH	
Outter Dimensions		500×1300×1480mm	
Ambient temperature of using		50℃~ 35℃	
light source		lamp Purple and outside light of UV-A/B	
Light source wavelength		280-400nm	
Size of test shelf		150×75×1.5mm	
Distance between test sample and tube center		50mm±2mm	
Distance between tube and centre tube		70mm±2mm	
Material	Test Area	Advanced brushed stainless steel	
	Outter Box	Advanced brushed stainless steel	
Heating humidifier		Electric heating, thermal and steam humidification	
Material	Operation Interface	Digital smart touch key input (programmable)	
	Operation mode	Program control / constant operation	
	Setting range	According to temperature range	
	Input	Blackboard thermometer PT 100 sensor	
	Addtional Function	Upper and lower alarm, alarm display, timer function	
Standard configuration		28 pcs of stainless steel sample holder	
Safety Device		Leakage, overload protection, water shortage, over temperature protection, grounding protection	
Power supply		220V ±10% 50HZ	
Power(kw)		3	

● Section diagram of QUV running the condensation cycle



1. When running a test program, the operator set an irradiance, each sensor set value will be displayed on the panel

Irradiance W/m ² @ Control Wavelength				
Actual	.62	.62	.62	.62
Set	.62	.62	.62	.62
	1	2	3	4

4. The controller compares the true irradiance and the set value, and adjust the lamp output

3. each sensor of the controller display the real irradiance on the operation panel

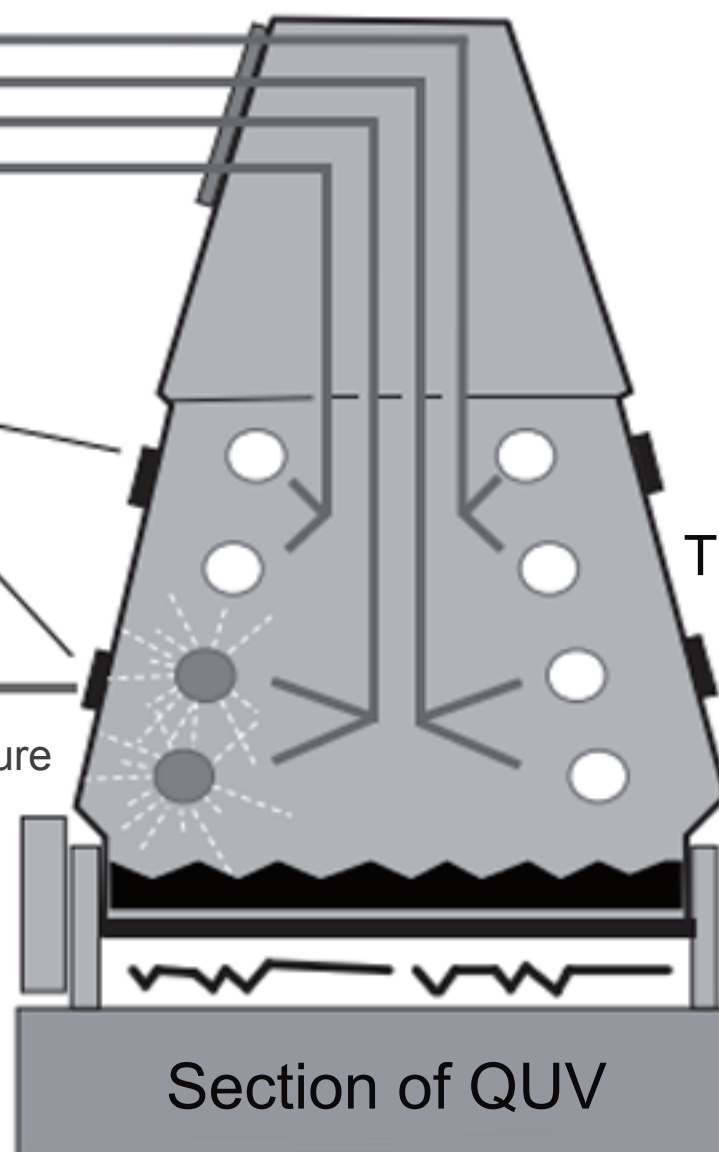


Control tube output

UV sensor

Test sample

2. The UV sensor is built to measure the emission of the light tube, and the value is sent to the solar radiation controller.



By Industry

Paint and ink paint, resins, plastics, printing and packaging, aluminum, adhesives, auto industry, cosmetics, metals, electronics, electroplating and pharmaceutical etc.



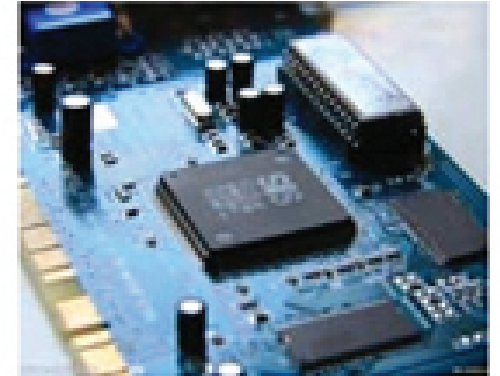
Auto ,motorcycle industry



Cosmetics,pharmaceutical



Print category



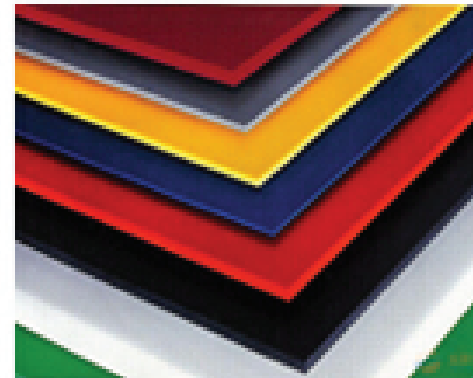
Electronics, energy



Resin adhesive



Inks,coatings



Plastics , textiles



Metal, electroplating and other

Specialized environmental chamber manufacturers

Control System



Easy to operate user interface, five optional languages, including English, French, Spanish, Italian or German

Sample placement



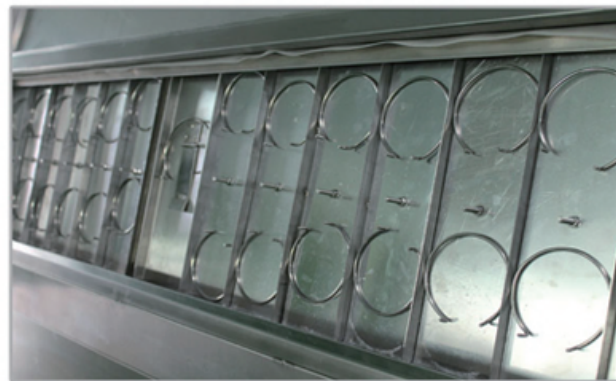
QUV tester can easily accommodate up to 48 samples (75mm x 150mm), fully in line with international, national and industry standards, to ensure that the test program reliability and reproducibility

UV lamp



The UV lamp using ATLAS, spectral power distribution (SPD) will not change with the lamp aging and longer life

Sample holder



Standard sample holder can be adjusted to any thickness, test samples no need to cut to accommodate close range.

Imported way



The bottom of the device is provided with inlet and convenient operation

Outfall at



The bottom of the device is provided with drain cleaning tank to facilitate the drainage

Operating panel



According to user needs, set different lighting conditions

Production Material



External material is made of 1.5mm thick 316# stainless steel

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.

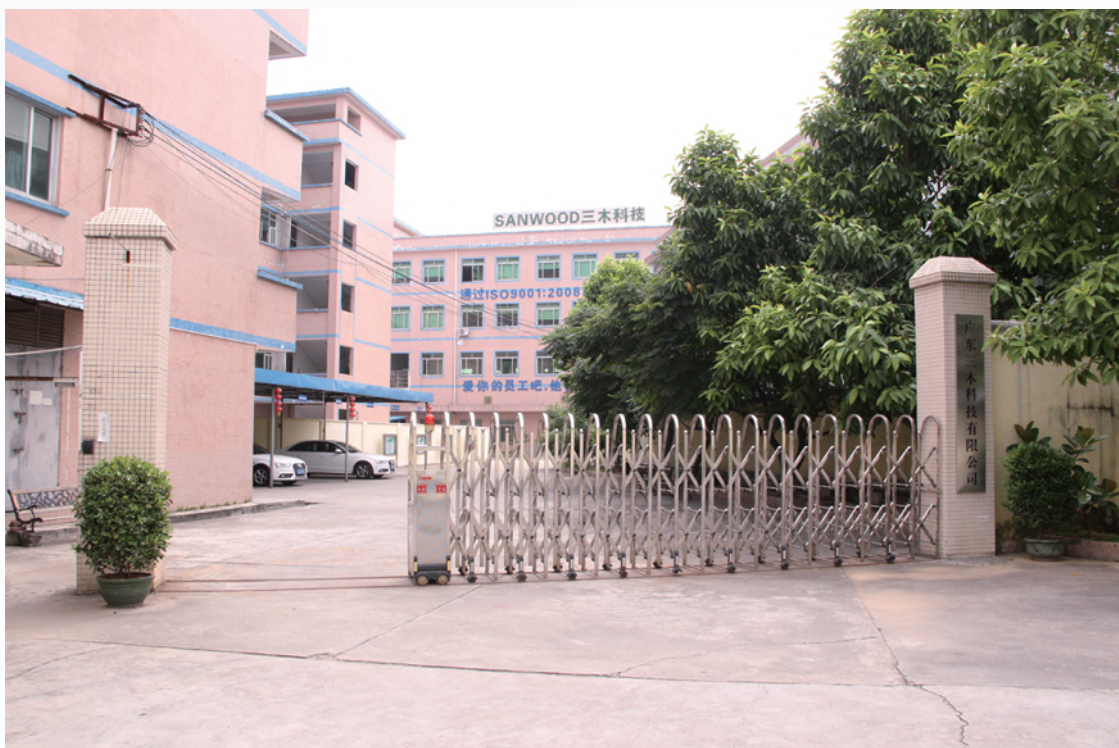
Having experienced nearly 20 years efforts, we have successfully developed a series of products:

- 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

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