Simplewell昇微

Company introduction

Simplewell Technology Co., Ltd

Full participation

Customer first



Technological innovation

Customer Satisfaction

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About the company

(Who are we)

1.1 Company profile



The company has passed TUV: ISO 9001: 2015 certification, German Automobile Industry Association VDA 6.4: 2017 quality management system certification, ISO 14000 environmental management system, ISO 45001 occupational health and safety management system, and many products have passed CE certification.

Founded in November 2008, the company is a private enterprise with a registered trademark of "Simplewell". Cultural concept: simple life and strive to create an "innovative and simple" corporate culture atmosphere. Business philosophy: to provide customers with simple, reliable, accurate and leading testing equipment



1.2 Development path

From 2000 to 2012, we have been focusing on the development and production of environmental simulation test equipment, formaldehyde and VOC testing equipment

Obtained funding from Dongguan Innovation Fund in 2012 Recognized as a private technology enterprise in Guangdong Province in 2012

Undertook a national
948 science and
technology project in
2014
In 2014, successfully
developed vehicle VOC
emission chamber and
won the 15th China
Patent Excellence
Award (reward of
500,000 yuan)

In 2016, Participated in a national 10.35 science and technology project;
Won the Guangdong
Provincial Patent Excellent
Enterprise Award;
Successfully developed the school runway test chamber and the vehicle VOC release performance evaluation simulation system

In 2018, Successfully
developed the vehicle
weather resistance test
chamber;
Successfully developed
energy-saving
formaldehyde test
chamber;
Successfully developed
airbag explosion test
chamber

In 2020, won the third prize of China Automobile Industry Science and Technology Progress Award (Enterprise)
Won the third prize of China Automobile Industry Science and Technology Progress Award (individual)

In 2022, won the high-tech enterprise;
Successfully developed high and low temperature low pressure humidity test chamber;
Successfully developed an energy-saving drug stabilization cahmber;
Won 2 items of the 13th Liang xi Science and Technology
Award

In 2011, wom China
Innovation Design Red
Star Award
In 2011, won the third
prize of Dongguan Cup
International Industrial
Design Competition

9001 quality management
system certification; Won
the National Excellent
Patent Award; Passed the
national high-tech
enterprise review; Vehicle
Environment VOC
Monitoring Equipment
Contribution Award

In 2013, Passed the ISO

In 2015, won the

Excellent Patent Award
of Guangdong Province;
Passed the VDA6.4
quality management
system certification of
the automotive industry

In 2007, Passed the national high-tech enterprise review again
In 2017, the vacuum VOC elimination chamber was successfully developed and won the Guangdong Paten Inventor Award

In 2019, Won the high-tech
enterprise
Won the Guangdong Provincial
Intellectual Property Demonstration
Enterprise
Won the National Intellectual
Property Advantage Enterprise
Successfully developed energy-saving
VOC cabin
Successfully developed odor test
chamber

In 2021, won the Science and
Technology Award Certificate of the
Chinese Academy of Forestry Sciences;
Passed the environmental management
system certification;
Passed the occupational safety
management system certification;
Member of the National Council of
Military and Civilian Dual-use
Technologies and Products

1.3 Enterprise honor



























Production control About the company Product introduction Customer case 1.4 Technical Verification meeting of three national standards including the limit of harmful substances in wooden furniture 2012 Working meeting of Subcommittee on Hazardous exchange meeting Substance Testing Methods In-vehicle air pollution control detection and environmental protection material application academic annual meeting National Furniture Standard Review Seminar National Technical Committee on Environmental Standardization of Electrical and Electronic Products and Systems Environmental Standards Committee for Electrical and Electronic Products and Systems Hazardous Substance Testing Methods Subcommittee Environmental Standards Committee for Electrical and Electronic Products and Systems Hazardous Substance Testing Methods Subcommittee Participate in the annual meeting of the Society of Automotive Engineers of China The 4th China Furniture Standardization International Forum, China **Automotive Materials National Forum** The 2nd China International Car Seat Summit, Automotive Three High **Test Technology Summit** Participated in the drafting and review of "GB-T10592 High and Low Temperature Test Chamber Technical Conditions", the 8th China International Automobile Technology Exhibition, VOC threshold standard kick-off meeting "Impregnated Paper Laminated Wood Flooring" "Formaldehyde Emission Classification of Wood-Based Panels and Products" etc 4 standards publicity training and industrial development seminar 2023 Composite Material Innovation Application Conference

1.5 Cooperative research and development unit

We have the best product R&D team and cooperation units, thank you for accompanying Simplewell's growth all the way!











Northeast Forestry University

National Electrical and Electronic Products and Systems Environmental Standardization Technical Committee Sub-Hazardous Substance Detection Method Technical Committee

Beijing Timber Research Institute

PKU-HKUST ShenZhen-HongKong Institution Beijing Institute of Product Quality Supervision

China Academy of Building
Materials Science

SGS Group

Zhejiang University of Technology

South China Industrial Institute Design

Jiangsu Inspection and Ouarantine Bureau

1.6 Developed many first



- The first domestic electronics industry VOC release chamber
- The first domestic copier
- The first bag method VOC sampling chamber in China
- The first combined multi-unit VOC release chamber
- The first filter test system
- The first VOC and odor screening system
- The first VOC release chamber for automotive interiors
- The first specimen pretreatment room
- The first comprehensive vehicle VOC and high and low temperature test chamber
- The first VOC clean chamber
- The first large bus VOC test chamber
- The first car odor screening environmental chamber
- The first low adsorption carbon canister test chamber

- The first low-adsorption fuel airtight evaporation detection chamber
- The first refrigerant leak detection chamber
- The first high and low temperature vibration abnormal noise mobile chamber for auto parts
- The first energy-saving formaldehyde emission test chamber
- The first energy-saving VOC emission chamber
- The first SVOC micro test chamber
- The first domestic VOC miniature chamber
- The first vacuum VOC elimination chamber
- The first domestic automobile transmission shaft fatigue testing machine
- The first high-altitude low-temperature humidity chamber
- The first high and low temperature crush & nail penetration test chamber

1.7 Participate in the drafting of standards (28 items)

- General technical conditions for climate chambers for testing volatile organic compounds in furniture
- Determination of the emission of volatile organic compounds from wood-based panels and furnishing - Small chamber method
- Determination of phenol emission from wooden materials and their furnishing products—
 Small chamber method
- Determination of the emission of volatile organic compounds from furniture—Emission test cell method
- Test method of shock noise for wooden flooring
- Textile-Determination of the emission of volatile organic compounds-Small chamber method
- Monitoring method of energy saving for the wood drying equipments of steam heat source
- Installation, inspection and usage guidelines for wooden integrated home furnishing
- Test Method for Hygroscopic Properties of Fire-Retardant Wood and Wood-Base Products
- Test methods of structural insulated panel walls of timber structures.
- Monitoring method of energy saving for the wood drying equipments of steam heat source
- Wood products-Method for assessment of colour fastness to artificial light
- Technical Requirements for Pollutant Control of Automotive Interior Products Part 17 Testing Methods
- Monitoring method of energy saving for the wood drying equipments
- GB-T10592 Specification for low/high temperature test chambers.

- Determination Of Emission Rate Of Volatile Organic Compounds From Materials
 And Components Used In Electrical And Electronic Products -- Emission Test
 Chamber-Gas Chromatography Mass Spectrometry
- Determination of emission of volatile organic compounds in furniture Emission laboratory method
- Testing methods for harmful substances of furniture-General guidelines
- VOCs release value of wood-based panels and their products
- Specification for indoor carrying capacity of wood-based panels and finishingproducts based on volatile organic compounds emission
- Concentration requirements of high attention volatile organic compounds release from upholstered furniture
- Limit of volatile organic compounds of high attention of wood based furniture
- Determination of emission of volatile organic compounds (VOCs) in interior decoration materials-sampling bag method
- Requirement and evaluation method of test chamber for air cleaner
- JJF (Light Industry) 102-2018 Air Purifier Performance Test Chamber Calibration
 Specifications
- Determination of harmful substance emissions from synthetic sports surfaces—
 Environmental chambers method
- The Climate Chamber for Determination of Formaldehyde Emission
- Antibacterial properties of decorative materials for green campuses

1.8 Production workshop



Laser cutting



Workshop 2



Bending



Workshop 3



Workshop 1



Workshop 4

1.9 Patent certificate

35 invention patents



6 invention patents in Japan, the United States and Europe



More than 90 utility model patents



02Part

Production Quality Control

2.1 Design review and incoming inspection



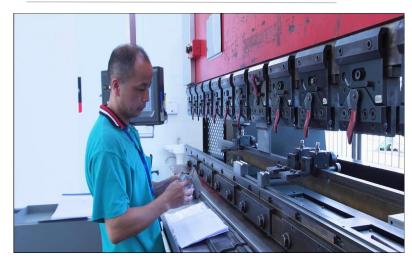








2.2 Process inspection, process confirmation handover





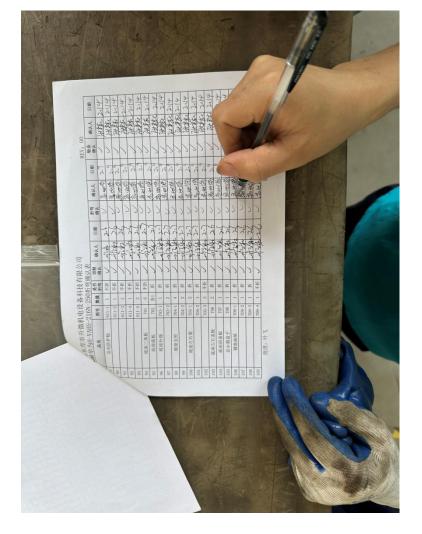






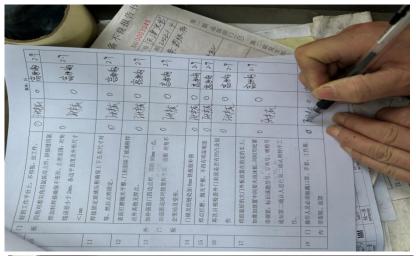


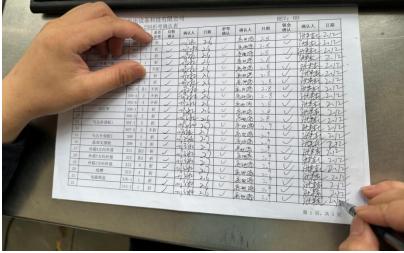
2.2 Process inspection, process confirmation handover









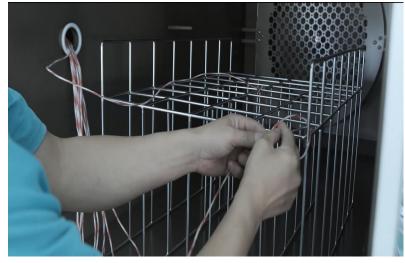


2.3 Debugging and Calibration













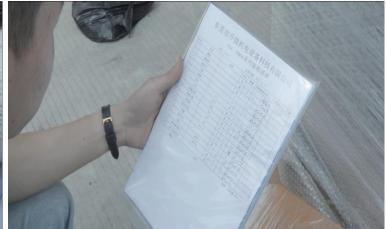
2.4 Shipping inspection confirmation











2.5 Type inspection

			** T. 4	注控制器温湿度	川试报告				
					测试平台	NTH	420-	-00	
产品名称	温度控制器	产品型号	5F0-056	产品 ID	软件版本	74/1		177	1.2.6
产品协议	议 Modbus 硬件版本 303				软件放车	Ver202/0304			
起始日期	2021.3.5	70日4年165							
结束日期	202/.4.10		验证硬件是否能正常过	运行以及稳定性。	测试总结				
测试员	宋政益						ala nn x=	4-JD-+-	
	7 PD 3	接通道1传感	 B, DI 输入短接 DI4, PCB+	触摸屏通电 DC24V, 放置	测试箱且线路板绝缘	防护。控	制器区	生产	
测试项目	测试内容	测试步骤		测试标准	测试结果	是否通过	样品测试	测试	Bug 描述
测试坝日	89 IMPS 117			检查元器件是否有虚焊		OV	L	ok	
外观	PCBA 外观	检查 PCBA 元器件		锡、少件、错件等不良		oK	oK	UK	
硬件性能 测试 - (仅针对 PCBA) -	电压范围	PCBA 主板放入测试架,观察测试架上电压值、		24v 电压范围: 10v~2 整机电流:150mA~30		OK	ok	OK	
	电流范围	电流值是否正常 高温 60℃/8 小时,测试过程中进行通电、断		The second secon		1.			
	高温测试	高温 60℃/8 小时,测试过程中近17 远记、战		正常		OK	oK	OK	
	低温测试	低温-20℃/8小时,测试过程中进行通电、斯电1小时的间隔操作。		断 设备正常运行,温度	显示	OK	ok	ok	
	144 mm over 2			正常 设备正常运行,温度	見云				
	高温老化	通电, 高温 60℃连续工作 12h.		设备止吊运行, 価/5	THEST	oK	ok	OK	
	jry data sa i =	通电,高温 38℃/93%连续工作 12h.		设备正常运行,温度	E显示	ak		4 1	
	湿度老化			正常		ok	O	KOK	
	指示灯	查看指示灯状态		1.电源指示 LED8 常列 2.状态指示 LED6 闪烁	and the second	oK	01	K ok	
	担小り			T					
	串口屏	接上串口屏,并操作界面,观察是否可以正常操作		串口屏界面操作正	常	06	4 01	k ok	
	RS232通信 U 盘数据读			di l				1 3 4	10000
	U 益数据读 取(含 SPI flash)	插入 U 盘, 做数据 是否正常, 重复操	保存操作,观察数据导 操作 3 次	出 U 盘数据读取正常		08	0	k ok	

Controller environmental resistance test





Type test: road transport simulation test

03Part

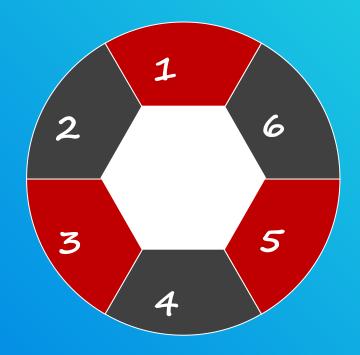
Product introduction

(What we do)

3.1 Operating products

Formaldehyde and VOC volatile gas detection equipment

- Environmental simulation and reliability testing equipment
- Vehicle and parts environmental testing equipment



- Air filter and filter material performance testing system
- High temperature aging test equipment
- Biodegradation, cultivation environment test system, laboratory equipment

3.2 Leading product



Formaldehyde and VOC volatile gas detection equipment

• Vehicle VOC test chamber

• Furniture/material formaldehyde/VOC emission chamber

- Auto interior VOC emission chamber
- Auto interior VOC emission chamber (Sampling bag method)

- •VOC pretreatment chamber
- •VOC accelerated evaporation elimination chamber
- •Fuel closed evaporation chamber
- Refrigerant leak detection chamber
- •Carbonation tank inspection chamber
- Air filter and filter material test chamber

Environmental simulation and reliability testing equipment

- •Temperature humidity test chamber
- Rapid temperature change test chamber
- •Thermal shock test chamber
- Walk-in temperature humidity test chamber
- •Solar photovoltaic Dual 85/95 test chamber
- •High temperature aging test chamber
- •Battery charge/discharge test chamber
- Vehicle and parts environmental testing equipment
 - Vehicle environmental test chamber

Sunlight simulation, rain, drum exhaust emission, road vibration, etc.

- Auto parts environmental test chamber (infrared light simulation)
- Automobile drive shaft fatigue testing machine
- Automobile dust cover testing chamber
- Temperature vibration and abnormal sound test chamber for auto parts

3.3 Product display-Formaldehyde and VOC volatile gas series













3.4 Product display-Environmental simulation and reliability test series













3.4 Product display-Environmental simulation and reliability test series



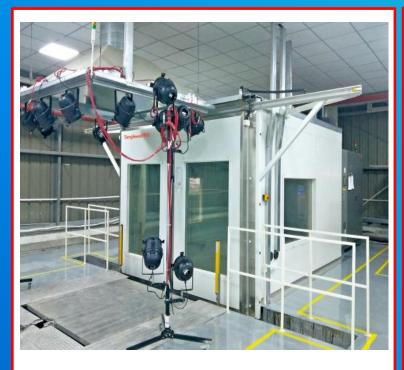








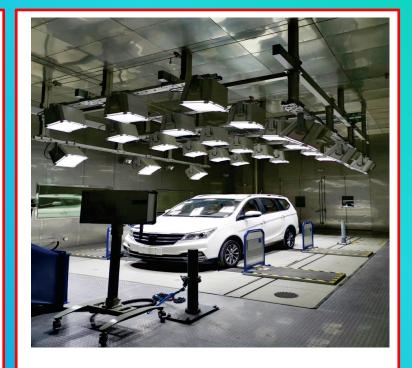




Airbag detonation test chamber

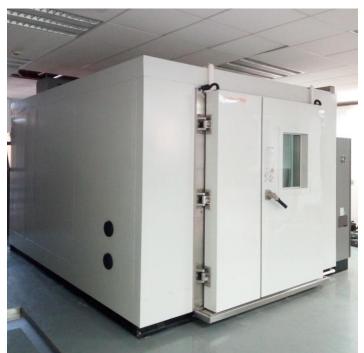


Vehicle high and low temperature test chamber



Vehicle hub (sunshine simulation) test chamber





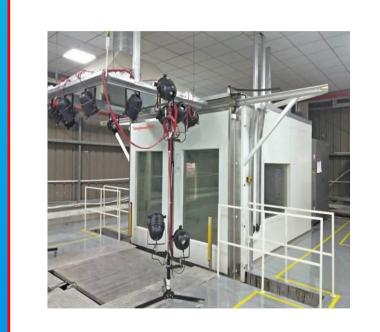
Auto parts walk in temperature humidity test chamber



Auto parts thermal shock test chamber (TC)



Vehicle salt spray test chamber



Airbag detonation test chamber





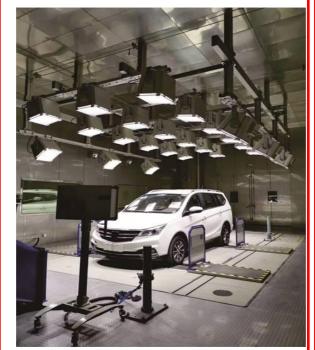
Auto parts walk in temperature humidity test chamber (small chamber)



Auto parts walk in temperature humidity test chamber (large chamber)



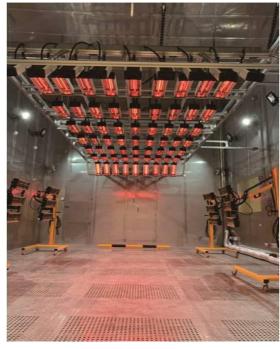
Charge/ discharge high and low temperature damp heat test chamber



Vehicle hub high and low temperature + sunlight simulation



Large airbag detonation test chamber



High and low temperature test + infrared

Volkswagen PV1200&PV2005&BMW PR standard test















Temperature, humidity and vibration comprehensive test chamber (Gantry type)

3.6 Product display-Laboratory equipment series







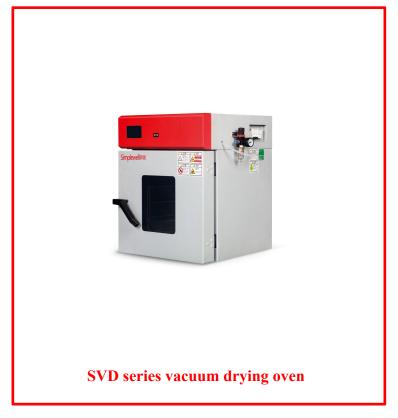
3.6 Product display-Laboratory equipment series







3.6 Product display-Laboratory equipment series

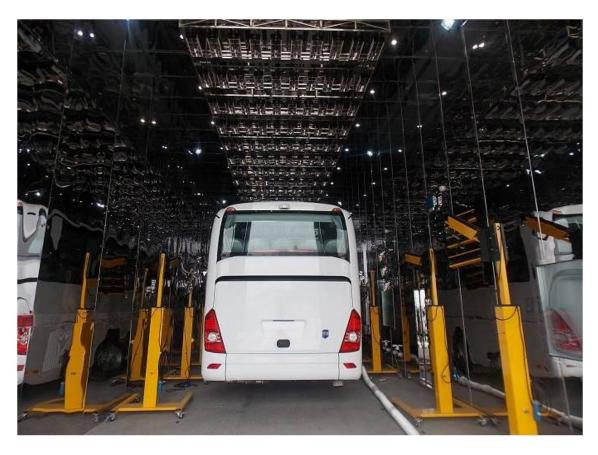






3.7 Product display-Vehicle VOC test chamber







VOC test chamber (Sampling bag method)



SVOC mirco emission chamber





VOC pretreatment chamber

VOC clean baking chamber



1m3 VOC emission chamber



Car odor VOC, HC test chamber



Energy-saving VOC emission chamber



Evaporative pollutant environmental chamber



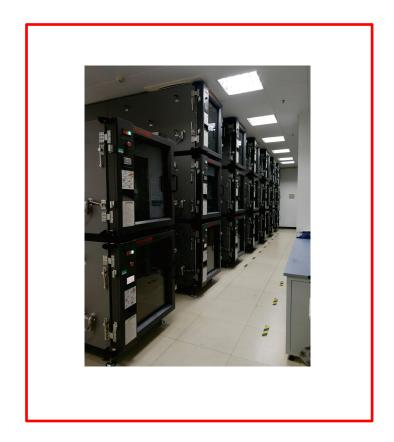
Refrigerant leak detection test chamber



VOC emission chamber for outdoor products



VOC pretreatment chamber



Energy-saving formaldehyde emission test chamber

04Part

Partner

(Our market)

4.1 Testing agency





































4.2 National Testing Unit



















































4.3 Automobile manufacturers





































4.4 Enterprise customers









































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Thanks for watching

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