



HONGKONG AUTOSTRONG TECHNOLOGY CO.,LTD.

AUTOSTRONG



# Enterprise Culture

## 企业精神 | Enterprise Spirit

Rigorous Accurate Innovation Aggressive

## 经营理念 | Managerment Idea

Quality is our life, Innovation is our soul.

## 企业愿景 | Enterprise Vision

Based on China, go to the world.



Office



To the world



Part of workshop



Part of testing room

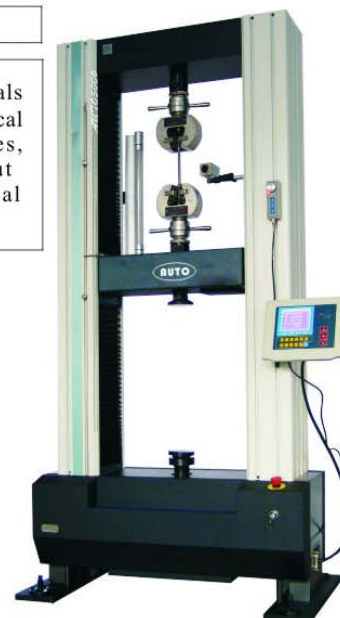


Part of the test equipment area

## Universal Testing Machine Series

<b>Model</b>	<b>AUTO5105</b>
<b>Specifications</b>	100KN
<b>Application</b>	It is suitable for a variety of metallic and non-metallic materials tensile, compression, bending, shear, peel, and other mechanical properties. It is equipped with the appropriate accessories, under the high, low or normal temperature could carry out durable creep, Stress relaxation materials and other material performance test.

AUTO5105



AUTO5205 AUTO5305



<b>Model</b>	<b>AUTO5205 AUTO5305</b>
<b>Specifications</b>	200kN、300kN
<b>Application</b>	It is suitable for a variety of metallic and non-metallic materials tensile, compression, bending, shear, peel, and other mechanical properties. It is equipped with the appropriate accessories, under the high, low or normal temperature could carry out durable creep, Stress relaxation materials and other material performance test.

AUTO5505 AUTO5605



<b>Model</b>	<b>AUTO5505 AUTO5605</b>
<b>Specifications</b>	500kN、600kN
<b>Application</b>	It is suitable for a variety of metallic and non-metallic materials tensile, compression, bending, shear, peel, and other mechanical properties. It is equipped with the appropriate accessories, under the high, low or normal temperature could carry out durable creep, Stress relaxation materials and other material performance test.

## Universal Testing Machine Series

### AUTO5504



<b>Model</b>	<b>AUTO5504</b>
<b>Specifications</b>	50KN
<b>Application</b>	It is suitable for a variety of metallic and non-metallic materials tensile , compression , bending , shear, peel , and other mechanical properties. It is equipped with the appropriate accessories, under the high , low or norma temperature could carry out durable creep, Stress relaxation materials and other material performance test.



### AUTO3000



<b>Model</b>	<b>AUTO3000</b>
<b>Specifications</b>	1kN、2kN、5kN、10kN、20kN
<b>Application</b>	The test machine is suitable for a variety of metallic and non-metallic materials tensile, compression, bending, shear, peel, and other mechanical tests.

### AUTO2000A AUTO2000B



<b>Model</b>	<b>AUTO2000A AUTO2000B</b>
<b>Specifications</b>	1kN、2kN、5kN、10kN、20kN
<b>Application</b>	This machine is mainly suitable for rubber, plastic, paper, leather, metal wire, metal foil, food packaging, textile fibers, wire and cable, adhesives, connectors and other material's tensile, compression, bending, shear, peel, tear etc. mechanical tests



## LCD Electronic Tensile Testing Machine

### AUTO1000



<b>Model</b>	<b>AUTO1000</b>
<b>Specifications</b>	100N、200N、500N、1000N、2000N
<b>Application</b>	The test machine is mainly suitable for rubber, paper, leather, metal wire, metal foil, food packaging, textile fibers, wire and cable, adhesives, connectors, and other material's tensile, peel, tear etc mechanical tests.

#### The main technical parameters

Model	AUTO1102	AUTO1202	AUTO1502	AUTO1103	AUTO1203
Maximum load	100N	200N	500N	1000N	2000N
Accurate grade	1 grade				
Measuring Range	1%~100%FS				
Relative Error	Within $\pm 1\%$				
Indication Error	$\pm 0.5\%$				
Displacement resolution	0.001mm				
Test Speed Range	0.05~500mm/min				
Speed Relative Error	Within $\pm 1\%$				
Max Moving Crossbeam	500mm/1200mm				
Machine size	L520×G440×H1500mm				
Power Supply	220V/50Hz, 100W~300W				
Machine weight	25kg~50kg				

## Microcomputer Control Pressure Testing Machine

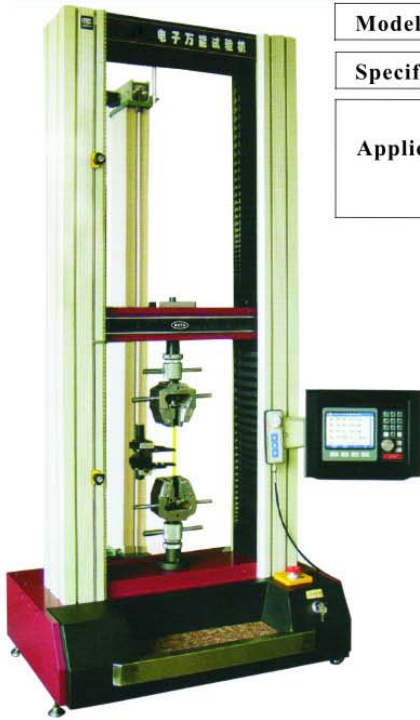


Model	AUTO-104	AUTO-204	AUTO-504
Maximum load	10KN	20KN	50KN
Accurate grade	1 grade		
Effective measuring range	0.4%~100%FS		
The relative error of test force	Within $\pm 1\%$		
Test force resolution	1/120000 (Test force resolution unchanging)		
The relative error of displacement value	Within $\pm 0.5\%$		
Displacement resolution	0.001mm		
Range of testing speed	0.01~100mm/min		
The relative error of speed	Within $\pm 1\%$		
To set constant test force fluctuations	Within $\pm 1\%$		
The max travel of moving crossbeam	1500mm		
Upper and lower platen area	1000mm*1000mm		
Machine size	L1500×G1000×H2400mm		
Power supply(220V/50Hz )	350W	450W	750W
Machine weight	1200kg		

<b>Model</b>	<b>AUTO-104 AUTO-204 AUTO-504</b>
<b>Specifications</b>	10kN、20kN、50kN
<b>Application</b>	This machine is mainly suitable for the packaging container of anti- pressure test and the stacking test, with a long time Paul upload function,also it can carry out opposite angle and edge compression tests

# Universal Testing Machine Series

## Computer-controlled Electronic Torsion Testing Machine



<b>Model</b>	<b>AUTO100 AUTO200 AUTO500 AUTO1000</b>
<b>Specifications</b>	100Nm、200Nm、500Nm、1000Nm
<b>Application</b>	This machine is mainly applied to reverse the performance tests of metal , non-metallic , mechanical parts. Meet national standards metal torsion test method at room temperature.

### The main technical parameters

Model	AUTO100	AUTO200	AUTO500	AUTO1000
Maximum torque	100N.m	200N.m	500N.m	1000N.m
The measuring range of torque	0.4%~100%FS			
The grade of accuracy	1 grade			
The relative error of torque	Within ±1%			
Torque resolution	1/120000 (Torque resolution unchanging)			
Torsion angle measuring range	0~1000rad			
The relative error to torsion angle	±0.5%			
Reverse speed range	0.036~360°/min			
The relative error of speed	Within ±0.5%			
Holding the sample size range	Provide Customized Service		φ 8~ φ 40	
The distance between heads	300mm		500mm	
Machine size	220V/50Hz,200W		380V/50Hz,750W	
Power supply	L300×G900×H1100mm		L530×G1690×H1100mm	
Machine weight	100kg		500kg	

### The main technical parameters

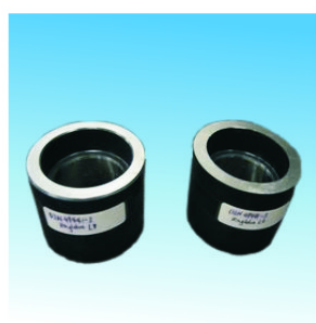
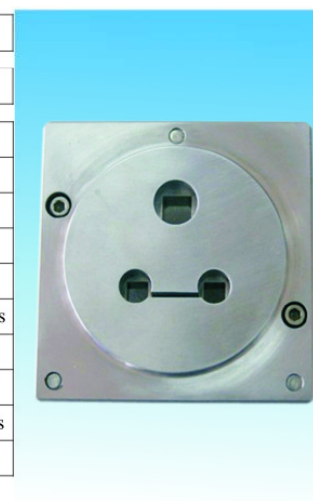
Model	AUTO3000					AUTO5000					
Specification	3103	3203	3503	3104	3204	5504	5105	5205	5305	5500	5605
Max test force	1KN	2KN	5KN	10KN	20KN	50KN	100KN	200KN	300KN	500KN	600KN
Accurate grade	0.5grade										
Effective measuring range	0.4%~100%FS    Inside and outside , regardless of file										
The relative errorof test force value	Within ±0.5%										
Test force resolution	1/300000    Solution unchanging										
Deformation measurement range	0.2%~100%FS    Inside and outside, regardless of file										
The relative error of deformation value	Within ±0.5%										
Deformation resolution	1/300000										
The relative errorof displacement value	Within ±0.2%										
Displacement resolution	0.001mm										
The adjusted range of test speed	0.005~500mm/min					0.0025~250mm/min					
The relative errorof speed value	Within ±0.5%										
Uniform test force rate control range	0.01%~10%FS/s										
Uniform test force rate control error	≤0.05%FS within ±2%    ≥0.05%FS    within ±0.1%										
Uniform deformation rate control range	0.01%~10%FS/s										
Uniform deformation rate control error	≤0.05%FS    within ±2%;    ≥0.05%FS    within ±0.1%										
Control Range    Control Accuracy	0.5%~100%FS										
Control Range    Control Accuracy	≤10%FS    within ±1%    >10%FS    with±0.1%										
The max travel of moving crossbeam	1100mm					1200mm					
Effective test width	410mm		510mm			570mm			600mm		
Machine size	L75×G55×H160cm		L90×G57×H201cm			L110×G61.4×H220cm			200kN L120×G76×H250cm 500kN L132×G79×H260cm		
Power supply	220V/50Hz,500W		220V/50Hz,500W			220V/50Hz,1kW			380V/50Hz,2kW    380V/50Hz,4.5kW		
Machine weight	260kg		800kg			900kg			2000kg		

## Gauge series



Product	Germany standard plugs and socket gauges	
Standard	DIN VDE 0620-1-2010	
VDE0620 gauge model		
DIN-VDE0620-1-Lehre1	DIN-VDE0620-1-Lehre10b	DIN-VDE0620-1-49440-L1
DIN-VDE0620-1-Lehre2	DIN-VDE0620-1-Lehre11	DIN-VDE0620-1-49440-L2
DIN-VDE0620-1-Lehre3	DIN-VDE0620-1-Lehre12	DIN-VDE0620-1-49440-L1-L2
DIN-VDE0620-1-Lehre4	DIN-VDE0620-1-Lehre14	DIN-VDE0620-1-Bild15
DIN-VDE0620-1-Lehre5	DIN-VDE0620-1-Lehre15	DIN-VDE0620-1-Bild14
DIN-VDE0620-1-Lehre6	DIN-VDE0620-1-Lehre16a	DIN-VDE0620-1-Bild43
DIN-VDE0620-1-Lehre7	DIN-VDE0620-1-Lehre16b	DIN-VDE0620-1-1-16e
DIN-VDE0620-1-Lehre8	DIN-VDE0620-1-Lehre17	DIN-VDE0620-1-1-19a
DIN-VDE0620-1-Lehre9	DIN-VDE0620-1-Lehre18	DIN-VDE0620-1-Bild16a
DIN-VDE0620-1-Lehre10a	DIN-VDE0620-1-EN50075	DIN-VDE0620-1-Bild16d

<b>Product</b>	<b>Australian and New Zealand socket-outlet adaptors</b>
<b>Standard</b>	AS/NZS 3112:2011
<b>Name</b>	<b>Description</b>
AS/NZS3112 figure3.1/10A/15A	Depth of No-contact test gauge
AS/NZS3112 figure3.6 Max 10A	Three-Pin Gauge
AS/NZS3112 figure3.7 Max 10A	Two-Pin Gauge
AS/NZS3112 figure A	Gauge for three-Pin Flat-Pin Plugs
AS/NZS3112 figure B	Gauge for Two-Pin Flat-Pin Flat- Pin Plugs with Parallel Pins
AS/NZS3112 figure C	Three-pin test plug with flat pins
AS/NZS3112 figure D	Three-pin test plug with flat pins for abnormal insertion test
AS/NZS3112 figure E	Plugs and socket-outlets for use in extra-low voltage circuits
AS/NZS3112 figure G	Three-pin test plug with flat and round pins



<b>Product</b>	<b>VDE DIN 49441 gauge</b>
VDE DIN49441	Gauges and Weight 5N, 8N, 9N
VDE DIN49441	16A test plug
VDE DIN49441	2.5A test plug
VDE DIN49441	CEE7 fig21
VDE DIN49441	VDE DIN49441-L1-L2
VDE DIN49441	VDE DIN49440-L1-L2
VDE DIN49441	VDE DIN49441-L1-L2



## Gauge series



Product	British Standard Plugs socket-outlets gauges
Standard	BS1363-2
Name	Description
BS1363-2-Fig1	Test PIN
BS1363-2-Fig2a.2b	Elastic shell mechanical strength test device
BS1363-1-Fig 5	Plug gauges
BS1363-2-Fig11	Plug gauges
BS1363-2-Fig12	Contact test gauge
BS1363-2-Fig14	Non contact test
BS1363-2-Fig15	Insert transverse stress gauge
BS1363-2-Fig16	Insert pull-out force gauge
BS1363-2-Fig17a/b	Temperature rise test device and the simulation panel
BS1363-2-Fig19	Stainless steel solid fuse
BS1363-2-Fig23	Pressure test device
BS1363-2-Fig29	Correction clamp
BS1363-2-Fig30	gauges

## Gauge ( UL498 )



UL498 Figure9.1	Articulate probe with web stop
UL498 Figure10.1	Probe
UL498 Figure31.1	Flat probe
UL498 Figure69.1	Reference plug
UL498 Figure94.1	Test plug Set of two
UL498 Figure105.1	Improper insertion test blades Set of two
UL498 Figure105.2	Test blade
UL498 Figure118.1	Receptacle test fixture
UL498 Figure118.3	Push out tool
UL498 Figure118.5	Bridge
UL498 Figure119.1	Test pin A
UL498 Figure119.2	Test pin B
UL498 Figure119.3	57g ground pin
UL498 Figure119.4	113g ground pin
UL498 Figure129.2	No14 AWG test pin
UL498 Figure132.1	Test probe
UL498 Figure132.2	Test probe
UL498 Figure144.2	Fixture for assembly security test
UL498 Figure SD13.2	Over size ground pin



## Coupling apparatus test gauge



IEC60320-1-Figure2	IEC60320-1-Figure9B	IEC60320-1-Figure9N
IEC60320-1-Figure4	IEC60320-1-Figure9C	IEC60320-1-Figure9P
IEC60320-1-Figure5	IEC60320-1-Figure9F	IEC60320-1-Figure9Q
IEC60320-1-Figure5A	IEC60320-1-Figure9G	IEC60320-1-Figure9R
IEC60320-1-Figure6	IEC60320-1-Figure9H	IEC60320-1-Figure9S
IEC60320-1-Figure7	IEC60320-1-Figure9J	IEC60320-1-Figure9T
IEC60320-1-Figure8	IEC60320-1-Figure9K	IEC60320-1-Figure22
IEC60320-1-Figure9	IEC60320-1-Figure9L	IEC60320-1-Figure27
IEC60320-1-Figure9A	IEC60320-1-Figure9M	

## Gauge ( EN 60309 IEC60309 )



<b>Product</b>	<b>Gauge</b>
<b>Standard</b>	EN60309 IEC60309
<b>Specifications</b>	We can provide EN60309 IEC60309 F101/F102/F104/F105F/F107/F108/F109 gauge. Welcome to contact us for more details.

## Lamps and Lanterns Gauge Series



<b>Product</b>	<b>Lamps and Lanterns Gauge Series</b>
<b>Standard</b>	IEC60968-1 IEC60061-1 IEC60061-2/-3 IEC61184
<b>Specifications</b>	It is mainly application industries is electronics, electrical appliances, plugs and sockets and other similar areas.
<b>Types</b>	Provide E14.E26, E27, E39, E40, E5, E10, E11, E17, B22, B15, GZ10, GU10 etc lamp gauge. Welcome to contact us for more details.


## NFC613-14 Gauge




<b>Product</b>	<b>French Standards NFC 613-14 Gauge</b>
NFC613-14/C1	Gauge for checking impossibility of single-pole insertion of plugs (6A/16A)
NFC613-14/C2	Gauges for size of entry holes for plug pins (5.3mm/5.8mm)
NFC613-14/C3A.B.C	Gauges for distance to point of first contact ( 5.75/5.0/5.25mm, 6A; 5.45/5.60/5.75mm, 16A)
NFC613-14/C4A.B.C	Gauges for minimum opening contact tubes (3.94mm, 300/150g; 3.80mm, 400/200g; 4.60mm, 400/200g)
NFC613-14/C5	Gauge for acceptance of two-pole plugs (6A/16A)
NFC613-14/C6	Gauge for maximum opening of contact tubes(16A)
NFC613-14/C7A.B	Gauge for pin spacing(6A/16A)

## Power Load Series


### Electrical Annex Power Load Counter

Product picture	Reference Standard	Specifications
	UL1054	This apparatus can provide to all types of electrical annex 1-20A (Max.150A), 50-280V and 0.3-0.96 power factor of resistance and susceptibility testing rod


### Fluorescent Lamps Power load counter

Product picture	Reference Standard	Specifications
	UL1054	Can provide the single-route to all kinds of electrical appliances annex, the voltage can adjustable from 50 to 100V,the current is 1 to 20A and within 0.3-0.96 power factor of test load and can be used for other household electrical appliances of test load.


### Tungsten lamp load counter

Product picture	Reference Standard	Specifications
	UL1054 UL943	Apply to all switches to provide to meet the requirements of Tungsten lamp load


### Capacitance Durability Tester

Product picture	Reference Standard	Specifications
	IEC60384-14	To test the use life numerical value of a group of the capacitor which is being test, to provide to the capacitor manufactures reliability design of the exact parameters for the products, at the same time, are also used to provide to the users of the capacitors base on the true quality of the products.


### Digital Torsion Meter

Product picture	Reference Standard	Specifications
	IEC60061 IEC60968 IEC60598 IEC60238	Equipped with all kinds of measurement clamps (Normally we match with the E14 and E27,two types).Maximum measurement range is 0-10Nm with accuracy 0.5% F.S


### Box Dripping test device (IPX1/IPX2)

Product picture	Reference Standard	Specifications
	IEC60335-1 IEC60529 IEC60068 IEC60034-5 IEC60947-1	Used to detect the protective performance of the apparatuses which have waterproof function


### Rock pipe shower testing instrument(IPX3/IP4)

Product picture	Reference Standard	Specifications
	IEC60335-1 IEC60034-5 IEC60529 IEC60598-1 IEC60947-1	The swing of the angle using fixed angle stalls (such as 60, 90 and 180 degree) of the motor drive control ways of matching stepper motor drive control ways.


### Jet Nozzle (IPX5/IPX6)

Product picture	Reference Standard	Specifications
	IEC60034-5 IEC60529 IEC60598-1 IEC60335-1 IEC60947 DIN40050 VDE0570 VDE0632 EN60950	Jet Nozzle with nozzle diameter 6.3mm for IPX5 and 12.5mm for IPX6. Test Set consists of a jet handle that is equipped with a pressure gauge and an easy-to-adjust flow valve


### Spray Nozzle (IPX3/IPX4)

Product picture	Reference Standard	Specifications
	IEC60034-5 IEC60529 IEC60598-1 IEC 60335-1 IEC60947-1 DIN40050 VDE0630 VDE0632	Spray Nozzle is a hand-held test device for checking the protection against ingress of water to verify protection against spraying and splashing water.

### Turntable

Product picture	Reference Standard	Specifications
	IEC60335-1 IEC60529 IEC60598-1 IEC60947-1 DIN40050 part 9 VDE0470 part 1	To carry the specimens when determining the protection against water.


### Vertical Drips test device (IPX1/IPX2)

Product picture	Reference Standard	Specifications
	IEC60335 IEC60529 IEC60068	Used to detect the protective performance of the apparatuses which have waterproof function




## Protection Against Water Series


### Water Spillage Apparatus

Product picture	Reference Standard	Specifications
	IEC60335-2-75 clause 15 figure 101	Anti water spray test device

### Defense immersion Test device (IPX7)


Product picture	Reference Standard	Specifications
	IEC60335-1 IEC60745-1 IEC60529 IEC60598-1	Size of Water Tank 1000*1000*1300mm, the height of tested sample is less than 850mm.

### Defense immersion Test device (IPX8)


Product picture	Reference Standard	Specifications
	IEC60335-1 IEC60745-1 IEC60529 IEC60598-1	The Pressurized Container is made of 304 stainless steel with 250mm diameter and 1000mm height.

## Plug and Socket Test Device


### Plug and Sockets life tester

Product picture	Reference Standard	Specifications
	IEC60884-1	Used to detect the mechanical life test of the household and similar purposed of the plugs and sockets products.

### Switch Life Tester


Product picture	Reference Standard	Specifications
	IEC61058	Used for wall switches, plate switches, pull switches the key-press switches and the zither press for the mechanical life test.

### Button Life Tester


Product picture	Reference Standard	Specifications
	IEC61058	Mainly used to key switch and jiggle switch for the electrical and mechanical life.




### Power cord tension and torsion tester

Product picture	Reference Standard	Specifications
	IEC60335-2005	Used to test torsion test and to detect whether the power line clamping devices it is firmed or not and for the power line of the test sample to go on the tension and torsion test.


### Power Lines Bending tester

Product picture	Reference Standard	Specifications
	IEC60884-1 UL-817	Apply to the relevant manufacturers and quality inspection departments for the plugs and the power lines of electrical appliances to go on the bending connecting parts test.


### Lead Line Maintain Force Tester

Product picture	Reference Standard	Specifications
	IEC60884-1	Use to the lead maintain force test of the not take out stitches plugs and motion sockets. The machine also can used to access whether the wire and the electrical annex is firmly or not.


### Tumbling Barrel Test machine

Product picture	Reference Standard	Specifications
	IEC60068-2-31 IEC60068-2-32	To determine the mechanical strength of electrical appliances or electrical components.


### Automobile inner ornaments burning tester

Product picture	Reference Standard	Specifications
	FMVSS302 ISO379 ASTM D5132	Flame Height: 20±2mm to 100±2mm (usually select 38mm) Burning time: 0-999.9±0.1S adjustable (usually select 15s) Burning Gas: Liquefied petroleum or coal gas Temperature Range: 0-200℃ Working size: 385 x 204 x 360mm Outside size: 550 x 210 x 550mm


### Textile Material Burning Tester

Product picture	Reference Standard	Specifications
	ISO6941-84 BS5438:1989	Used to test Flame retardant properties of textile material and children toy,when they are under fault and abnormal conditions.


### Automatic winder wear-proof tester

Product picture	Reference Standard	Specifications
	IEC60335	Mainly used for assessing the automatic winder of the household electrical appliances or the electrical appliances annex (such as vacuum cleaners),the tear and damage conditions caused by power lines in the process of use, at the same time also can use to the telephone handset line of the telephone for the stretching fatigue test.


### Cable damage tester

Product picture	Reference Standard	Specifications
	IEC60884-1:2006 IEC60669-1:2000	Mainly used to do damage test to a clamping screw type and screwless terminals fixed connecting component lead to test whether the wire clamping device can withstand normal use mechanical stress or not.

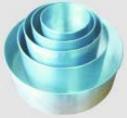
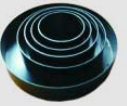
### Single Vertical Insulated Wire Flame Chamber

Product picture	Reference Standard	Specifications
	IEC60332-1	Mainly used to simulate of single wire and cable flammability test

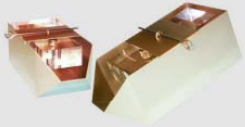
### Defense wind test device

Product picture	Reference Standard	Specifications
	IEC60598	The top of the test chamber and three side is the double-deck structure,the structure between the double deck is 150mm,diameter of the hole is 1-2mm. The hole area is 40% for the total area.


### Standard test pans/Vessel for induction hob element

Product picture	Reference Standard	Specifications
	IEC60335-2-9 clause 3 figure 101	The base of the vessel is not convex with 110/145/180/220/300mm diameter of cooking zone.
	IEC60335-2-9 clause 3 figure 102	The base of the vessel is convex with 110/145/180/220/300mm diameter of the cooking zone. The vessel is made of low carbon steel having a maximum carbon content of 0.08%.

### Water Spillage Apparatus

Product picture	Reference Standard	Specifications
	IEC60335-2-89 clause 15 figure 101	Displacement block volume: 140 ml $\pm$ 5 ml Displacement block mass: 200 g $\pm$ 10 g Displacement block dimensions: 112 *50*25 mm The dimensions of the vessel are inside dimensions and tolerance on inside dimensions is $\pm$ 2 mm. Approximate overall dimensions: 15.5*7.3*H 6.3 cm. Material is nickel plated brass

### Probe for measurement of surface temperature

Product picture	Reference Standard	Specifications
	IEC60335-2-6 clause 11 figure 104	Cooper sheet: Brass with 5mm diameter and 0.5mm thickness; Thermocouple: American OMEGA , K type Thermocouple with 0.3mm diameter; Insulation pipe: Polycarbonate with 3mm inner diameter and with 5mm outer diameter; Handle: POM with 4N thrust

### Electrical Contact Indicator

Product picture	Reference Standard	Specifications
	IEC61032 IEC60950 IEC60335 IEC60529	The standard test finger is applied in every possible position, an electrical indicator with a voltage between 40V and 50v being used to show contact with the relevant parts. Output test voltage: 42V AC, 25mA



## COMPANY PROFILE

AUTOSTRONG is a professional manufacturer of Industrial test equipment for products safety application with headquarter in Kowloon Hong Kong and branch factory in Shenzhen city. Shenzhen Branch factory besides 107 highway with very convenient transportation.

AUTOSTRONG is a reputed manufacturer of Laboratory safety test equipments and has engaged in Research & Development and Manufacture test equipments for many years. More, it is one of the listed suppliers with IECEE (International Electro Technical Commission) and have gained ISO9001:2008 Certification.

We have a Professional and International Team with more than 60 engineers form Germany, Hong Kong and China. We focus on provide the highest grade products and services to our clients. With almost ten years development, we are being the fastest growing manufacturer supplier of test equipments for many industrial and manufacturing scenarios.

All products manufactured are strictly in accordance with various EN, IEC, CE, UL, VDE, VS, JIS, ISO, CEE, BS, FMV, GB and other similar international standards.

Main Products include: Glow Wire Tester, Needle Flame Tester, Horizontal and Vertical Burning Tester, Tracking Index Tester, Textile Burning Tester, Protective Clothing Thermal Conductivity Tester, Automotive Interior Combustion Tester, Melt Dripping Tester, Building Materials Flammability Tester, Friction Tester, Accessibility Probes, Spring Impact Hammer, Electrical Safety Tester Series, Environmental Tester, Universal Testing Machine, Various Socket-outlet Gauges and other testing instruments.

We have established stable cooperation relationships with many famous international company laboratory and authorized third party test house. Such as: WAZAU, PTL, Bureau Veritas, TÜV Rheinland, TÜV Product Service, SGS, CSA international, PSE Japan, UL Laboratory Sweden, Met Laboratory Inc, LG Korea, Samsung Electric Appliances Inc. etc.





## 目 录 | CONTENTS

### Safety Products Series

Flammability Tester.....	1-2
(Tracking Index Apparatus, Glow Wire Tester, Horizontal and Vertical Burning Tester, Needle Flame Tester)	
Electrical Safety Tester .....	3-5
(Black Test Corner, Inclined Plane Device, Socket-outlet Torque Balance Tester, Drop Ball Impact Strength Tester, Dielectric Strength Tester, Spring Impact Hammer Calibrator, Spring operated impact hammer, Ball Pressure Apparatus)	
Accessibility Probes .....	6-10

### Environmental Tester Series

Environmental Tester Series.....	11-14
(Salt Spray Test Machine, Constant Temperature and Humidity Test Chamber, Fast Temperature Change Chamber , QUV UV Aging Testing Chamber , Dust Test Chamber, Ozone Aging Test Machine for Ozone Corrosive Test, Xenon Lamp Climatic Testing Machine)	

### Universal Testing Machine Series

Universal Testing Machine Series.....	16-19
(LCD Electronic Tensile Testing Machine, Microcomputer Control Pressure Testing Machine, Computer-controlled electronic torsion testing machine)	

### Gauge Series

Gauge Series .....	20-22
(VDE0620-1, AS/ZS3112, VDE DIN49441, BS1363-2, UL498, EN/IEC60320, EN/IEC60309, IEC60968/IEC60061, NFC613-14)	

### Power Load Series

Power Load Series .....	23-28
(Protection Against Water Series, Plug and Socket Test Device, Wire and Cable Detection Test Equipments)	

## Flammability Tester



<b>Product</b>	<b>AUTO-LD</b> Tracking Index Apparatus
<b>Standard</b>	IEC60112 IEC60335-1 IEC60598-1
<b>Application</b>	Tracking Index Apparatus is a fully automatic instrument contained in its own cabinet to maximize the safety of the operator and mainly used to test the Resistance Tracking Performance of solid electrical insulation materials when they are exposing in electric affect impurity water situation. Mainly used for determination PTI and CTI items.

### Technical parameters

Electrode Materials	The electrode caput of brass-platiniridium
Electrode Distance	4.0mm±0.1mm, 60±5°angle
Electrode Pressure	1.00N±0.05N
Test Current	Current limiting 1A±0.1A adjustable Displayed value: r.m.s, tolerance of 1.5%
Electrode Dimensions	Width: 5mm±0.1mm
	Thickness: 2mm±0.1mm
	Length >12mm
	End chisel-edge angle : 30°±2°, platinum
Electrode Voltage	100~600V adjustable, displayed value: r.m.s
Dripping Nozzle	Outer Diameter: 0.9mm~1.2mm for solution A
	0.9mm~3.45mm for solution B
Dripping Interval	0-99 seconds (adjustable), the time for 44-55/1cm <sup>3</sup> (adjustable)
Height Drops	30~40mm±5mm(adjustable)
Control	Using single chip microcomputer + touch screen control
Chamber volume	>0.5m <sup>3</sup> , black interior
Outer Dimensions	W*L*D=1100*700*1300mm
Power Supply	800VA, 220V, 48-60Hz
Display panel language	Chinese + English (adjustable)



<b>Product</b>	<b>AUTO-ZRS</b> Glow Wire Tester
<b>Standard</b>	IEC60695-2-10 UL746A
<b>Application</b>	Glow Wire Tester is designed to carry out fire hazard testing on electro technical products. A digital temperature indicator is fitted which, in conjunction with the thermocouple supplied, accurately measures the glow wire temperature. The electrical circuit of the control unit is fully protected by fuses and a miniature circuit breaker and incorporates mains on/off switching and push button control of the output current.

### Technical parameters

Glow Wire	Ø 4mm±0.04mm Ni/Cr(80/20)
Temperature Range	0 ~ 1000 °C ± 2 °C continuous adjustable
Thermocouple	Ø0.5mm Type K (Ni/Cr - Ni/Al), Armored sheath can withstand -40~ 1100°C
Searing Time	30s±0.1s (OMRON H5CN-XAN-Z digital timer, 0-9999s, preset table)
Light-off Time	0-999.9 s ± 0.1s, automatic recording, manual time out
Fire out time	0-999.9 s ± 0.1s, automatic recording, manual time out
Ironing into depth	7mm ± 0.5 mm
Sample pressure	1N ± 0.2 N
Test speed	18±3mm/s
Test background	Black background
Test process	Automatic control, independent convulsions
Chamber	≥0.5m <sup>3</sup>
Outer Dimensions	W*L*D=1100×700×1300mm, exhaust hole Ø100mm
Control	Using single chip microcomputer + touch screen control
Power Supply	800VA, 220V, 48-60Hz
Display panel language	Chinese + English (adjustable)



<b>Product</b>	<b>AUTO-SP</b> Horizontal and Vertical Burning Tester
<b>Standard</b>	UL94 IEC60695
<b>Application</b>	Horizontal and vertical burning tester is composed by the test part and control part , using the integrated design , to facilitate the installation at the scene and debug. The shell of the test chamber and the important parts are all manufactured by stainless steel, resistant cigarettes and gas corrosion. The automatic degree of control system is high. Has automatic ignition, the products which were tested inboth vertical and horizontal orientation has the function automatically follow flame in the cross of the test.

#### Technical parameters

Kinds	500W(5V class )	50W(HB/V class)
Test Flame	Burning test for V-0,V-1,V-2	Burning test for V-0,V-1,V-2
Burner Tube	Internal Diameter: $\Phi$ 9.5mm $\pm$ 0.3mm	Internal Diameter: $\Phi$ 9.5mm $\pm$ 0.3mm
Burning Angle	0°,20°,45°	0°,20°,45°
Thermocouple	Type K (Ni/Cr - Ni/Al)	Type K (Ni/Cr - Ni/Al)
Thermocouple Size	0.5 mm	0.5 mm
Copper Block	$\Phi$ 9 $\pm$ 0.01mm, Weight:10 $\pm$ 0.05g	$\Phi$ 5.5 $\pm$ 0.01mm,Weight:1.76 $\pm$ 0.01g
Temperature Increase	100 $\pm$ 5°C to 700 $\pm$ 3°C; 54 $\pm$ 2s(Preset)	100 $\pm$ 5°C to 700 $\pm$ 3°C; 44 $\pm$ 2s(Preset)
Gas Flow	965 $\pm$ 32ml/min	105 $\pm$ 10ml/min
Gas Supply	Methane,min.98% purity	Methane,min.98% purity
water-column	125m $\pm$ 5mm	<10mm
Test Time	54 $\pm$ 2s	44 $\pm$ 2s
Flame Height Indicator	40 $\pm$ 1mm	20 $\pm$ 1mm
Volume Of Chamber	>0.5m <sup>3</sup> , black interior	>0.5m <sup>3</sup> , black interior
Outer Dimensions	W*D*H=1200*700*1400mm	W*D*H=1200*700*1400mm
Power Supply	AC220V $\pm$ 10%/50Hz.(Other power specifications can be customized)	
Display panel language	Chinese + English (adjustable)	



<b>Product</b>	<b>AUTO-ZY</b> Needle Flame Tester
<b>Standard</b>	IEC60695-11-5 UL746A
<b>Application</b>	Needle Flame Tester is mainly used to measure the fire hazard of electro electric equipments and accessories when they are in fault situations. Apply to lighting, low voltage electric appliance, household appliances, electric machine, motor, electric tools, electronic instrument, electrical instrument, electrical connector such as electrical and electronic equipment and parts, components of research, production and quality inspection department, also suitable for insulation materials, engineering plastics etc.

#### Technical parameters

Needle burner	Inner hole diameter: $\Phi$ 0.5 $\pm$ 0.1mm, Diameter:9mm $\leq$ $\Phi$ , Length $\geq$ 35mm, stainless steel
Burner angle	0°,20°, 45° (adjust flame height)
Thermocouple	$\Phi$ 0.5mm Type K (Ni/Cr - Ni/Al), armored sheath can withstand temperature-40~ 1100°C
Burning time	0-999.9s $\pm$ 0.1s, adjustable (usually selected for 30s)
Hold Burning time	0-999.9s $\pm$ 0.1s, automatic recording, manual timeout
Flame Height	12 $\pm$ 1mm (with height measurement instruments)
Flame Gas	Butane gas/Butane gas, min. 95% purity (can use bottled lighter gases)
Temperature Test Range	0~1000°C
Temperature Increase	From 100 $\pm$ 2 °C liters to 700 $\pm$ 3 °C time in 23.5 $\pm$ 1 s
Standard Copper Block	4 $\pm$ 0.01 mm, weight:0.58 $\pm$ 0.01g before drilling. Cu-ETP
Test process	Automatic control, Independent convulsions
Chamber	$\geq$ 0.5m <sup>3</sup>
Outer Dimensions	W*D*H=1100 $\times$ 700 $\times$ 1300mm, exhaust hole $\Phi$ 100mm
Control	Using single chip microcomputer + touch screen control
Power Supply	800VA, 220V, 48~60Hz
Display panel language	Chinese + English (adjustable)



## Electrical Safety Tester



Product	AUTO-CSJ    Black Test Corner		
Standard	IEC60335-1		
Application	It can appliance to the temperature test of all kinds of electronic products supply, in conformity with the standards requirement of the environmental conditions.		
Technical parameters			
Dimension	600×600×600mm	800×800×1000mm	1000×1000×1000mm (other)
Thermocouple	Φ<0.3mm   Import: K type		
Thermocouple disposal	Disposal in a line bank(select and fit out thermocouple plug and socket)		
Test temperature sheet copper	Sheet Brass with 15mm diameter and 1mm thickness		
Test temperature point	20point, 32point, 48point(other)		
Test temperature point disposal	100mm X 100mm		
Glued board	Thickness about 20mm, Berlin black in face,The back paste gray film board		
Active part	Install 4 pcs active wheels		
Provide	Personalized service		

<b>Product</b>	<b>AUTO-WD Inclined Plane Device</b>
<b>Standard</b>	IEC60335-1 clause 20.1
<b>Application</b>	Inclined plane device is used to test the stability of an apparatus that requires a surface in order to work. The device consists of a surface and an angle adjusting device, with angles 0~15°

### Types

Types	Surface Diameter	Angle Range	Bearing Capacity	Rotate Way
AUTO-3	1000mm	0-30°	125KG	hand-actuated/ dynamoelectric
AUTO-2	800mm	0-30°	80KG	hand-actuated/ dynamoelectric
AUTO-1	600mm	0-45°	50KG	hand-actuated



<b>Product</b>	<b>AUTO-NJ Socket-outlet Torque Balance Tester</b>		
<b>Standard</b>	IEC60884 VDE0620 IEC60598 BS1363.3 IEC60065		
<b>Application</b>	<p>Socket Torque Tester is for measuring and testing the torque strain exerted by appliances with plug pins on socket-outlets.</p> <p>The balancing arm of the test apparatus pivots about a horizontal axis through the centre lines of the contact tubes of the socket-outlet at a distance of 8 mm behind the engagement face of the socket-outlet.</p> <p>With the device not in engagement, the balancing arm is in equilibrium, the engagement face of the socket-outlet being in the vertical position.</p> <p>After the device has been engaged, the torque to be applied to the socket-outlet to maintain its engagement face in the vertical plane is determined by the position of a weight on the balancing arm.</p>		
<b>Types</b>	Load	0.5N*2/1.25N*1/0.25N*1	
	Plug	UL plug*1, Australia plug*1, All-purpose plug*1	





<b>Product</b>	AUTO-GDL Drop Ball Impact Strength Tester	
<b>Standard</b>	IEC60950-1	
<b>Application</b>	It is mainly used for mechanical strength testing equipment enclosure, test equipment enclosure should be able to ensure that the structure can be expected to withstand the operation does not produce within the provisions of the standard risk for damage to the outer surface of the enclosure will touch dangerous parts of the apparatus.	
<b>Features</b>	1.Extensive use of linear motion in order to test the demand for different samples; 2.Ball Length : 1300mm; 3.With a standard calibration device; 4.Other parameters.	
	Item	Parameters
	Impact height	1600mm MAX
	Pendulum impact range	1650mm MAX
	The largest sample	400*400*300H
	Clamp release	Electronic control
	Impact ball	1040g MAX

<b>Product</b>	AUTO-KD Dielectric Strength Tester
<b>Standard</b>	IEC60065 UL1310
<b>Application</b>	It is mainly used for testing thin-layer insulation material electric strength. The standing part used the whole structure is processed by 304 plate material.
<b>Features</b>	To improve the insulation board and creepage dielectric properties,surface brushed polished, bottom bracket the minimum distance from the edge of >35mm, the altitude of 2000 meters designed to meet the strength test requirements of 12 K.V.

**Technical parameters**

Metal pole diameter	5±0.1mm
Metal club weight	100±2g
Max measure rang	20mm
Max strength	<12KV( altitude below 2000m)
Creepage distances	>35mm



<b>Product</b>	AUTO-CJ Spring Impact Hammer Calibrator	
<b>Standard</b>	IEC60068-2-75	
<b>Application</b>	Spring Impact Hammer Calibrator is based on all parts IEC60068-2-75 Appendix B requirements of normative documents tolerance manufacturing, most of the critical parts using special materials and special processing, accuracy and stability in the superior performance. Single-weight design, and supports the vast majority of domestic foreign manufacturers of all calibration hammer spring.	

**Technical parameters**

Main parameters	AUTO-CJ	Similar Products
The actual accuracy	0.01J	0.02J
Repeat accuracy	±0.01J	0.02-0.04J
Maximum range	0-2J	0.1-2J
Guide groove diameter	51mm	51mm
Pendulum energy loss	<0.002J	<0.008J
Trigger Route	>30mm	<18mm
Weight	1pcs	2pcs

## Electrical Safety Tester



<b>Product</b>	<b>Spring Operated Impact Hammer</b>
<b>Standard</b>	IEC60068-2-75 IEC884 UL1244
<b>Application</b>	Impact hammers are used to check the durability of enclosures for electrical appliances of other electronic products . If damage occurs from the Impact Hammer test .Accessibility probes can be used to measure the extent or severity of the damage. The Impact Hammer simulates the mechanical impact to test household and similar electrical appliances shell, lever, handle, knobs, lights and other shell to withstand mechanical shocks.

### Technical parameters

Length	211mm	Hammer Weight	60g
Weight	1250g	Hammer Radius	10mm
OD	50 mm	The release force of impact	<10N
Impact Components	Including the hit ball handle the hammer, Weight 250g		
Hammer head is made from white polyethylene imine first.			

### Types

Type	Impact Energy
Single Impact Energy	0.14J±0.014J
Single Impact Energy	0.20J±0.02J
Single Impact Energy	0.35J±0.03J
Single Impact Energy	0.50J±0.04J
Single Impact Energy	0.70J±0.05J
Single Impact Energy	1.00J±0.05J
Single Impact Energy	2.00J±0.10J
Universal energy	0.14J~1.00J
Provide Customized Energy	







<b>Product</b>	<b>AUTO-102 Ball Pressure Apparatus</b>
<b>Standard</b>	IEC60695-10-2 IEC60884-1 IEC60320-1 IEC60335-1 IEC60598-1 IEC60950-1
<b>Application</b>	Ball Pressure Apparatus is used for testing parts of non-metallic materials for resistance to heat.It is applicable to electrotechnical equipment,its subassemblies and components,and to solid electrical insulating materials except ceramics. Ball Pressure Apparatus is the requirement ball (R2.5mm) and total test force 20N ± 0.2N ball pressure testing device,presure level of the state and was placed in the heating chamber on the surface of the test.

### Technical parameters



Ball diameter	5mm (R2.5mm)
Total test pressure	20N±0.2N
Samples bearing	Diameter:50mm, Length:100mm Solid stainless steel cylinder
Production of materials	All used Stainless steel materials
Remark	Ball Pressure Instrument takes another a hot box (oven) supporting the use

## Accessibility Probes

### Test Probe A/B/C/D

Product Picture	Reference Standard	Specifications
	IEC60529 IEC61032 IEC60335 IEC61029 IEC60745 IEC60065 IEC60950	Ball Diameter:50mm Baffle Plate Diameter:45mm Baffle Plate Thickness:4mm Handle Diameter:10mm Handle Length:100mm
	IEC61032 IEC60950 IEC60335 IEC60529 IEC60045 IEC60884 IEC60745	Knurled Finger Diameter:12mm Knurled Finger Length:80mm Baffle Plate Diameter:50mm Baffle Plate Length:100mm Baffle Thickness:20mm
	IEC61032 IEC60529	Test Probe Length:100mm Test Probe Diameter:2.5mm Dam-sphere Diameter:35mm Handle Diameter:10mm Handle Length:100mm
	IEC61032 IEC60529	Test Probe Length:100mm Test Probe Diameter:1.0mm Dam-sphere Diameter:35mm Handle Diameter:10mm Handle Length:100mm



### Test sphere

Product Picture	Reference Standard	Specifications
	IEC61032 IEC60529	Diameter :50mm,12.5mm Weight: 227g, 500g, 535g, 1024g
	IEC60529	Diameter:12.5mm

### Rigid Test Probe

Product Picture	Reference Standard	Specifications
	IEC61032 IEC60065 IEC60335-1 IEC60884-1	Nodular Finger Length : 80mm Nodular Finger Diameter:12mm Dam-board Diameter:50mm Dam-board Thickness:5mm


### Long/Short Test Pin

Product Picture	Reference Standard	Specifications
	IEC61032	The probe Diameter:4mm The probe Length:50mm Dam-board Diameter:25mm Dam-board Thickness:4mm
	IEC60065 IEC60335-1 IEC60950 IEC61032	The probe Diameter:Head 3mm Tail 4mm The probe Length:15mm Dam-board Diameter:25mm Dam-board Thickness:4mm







## Accessibility Probes




### Children Test Finger 18/19

Product Picture	Reference Standard	Specifications
	IEC 61032 Figures 12 and 13 EN71 ASTM F963	<p><b>No. 18:</b> Knurled finger diameter:8.6mm Knurled finger length: 57.9mm(Three knurls, 19.3mm/knurl) Head Radius:4.3mm</p> <p><b>No. 19:</b> Knurled finger diameter:5.6mm Knurled finger length: 44mm(Three knurls, 14.6mm/knurl) Head Radius:2.8mm</p>



### 31/32/41/43Probe

Product Picture	Reference Standard	Specifications
	IEC61032	Rod:Diameter:25mm Length:80mm Interchangeable metal or Delrin probe Plate Diameter:Min.60mm Max.110mm
	IEC61032	Dam-board Diameter: 50mm Rod:Diameter: 25mm
	IEC61032	Test Rod Diameter:30mm Rigid Finger length:80mm Handle diameter:50mm Handle length:80mm
	IEC61032	Bar Wide:50mm; Thickness:5mm;


### Test Finger Probe

Product Picture	Reference Standard	Specifications
	GR1089	Nodular Finger Length:90mm Curved Finger Length:30/30/30mm Nodular Finger diameter: 12mm
	IEC61032	Nodular Finger Length:100mm Curved Finger Length:30/30/40mm Dam-board Diameter:125mm
	IEC61032 IEC60950 IEC60335 IEC60529 IEC60045 IEC60884 IEC60745-1	Knurled Finger Diameter:12mm Knurler Finger Length:80mm Baffle Plate Diameter:50mm Baffle Plate Length:100mm Baffle Thickness:20mm

### Rigid Test Probe

Product Picture	Reference Standard	Specifications
	IEC60335 UL1244	Nodular Finger Length:80mm Nodular Finger Diameter:12mm Dam-board Length:100mm Dam-board Diameter:50mm Dam-board Thickness:20mm
	IEC61032 IEC60335 IEC60065	Nodular Finger Length:80mm Nodular Finger Diameter:12mm Dam-board Thickness:5mm Dam-board Diameter:50mm With Dynamometer:10/20/30/40/50/75N


### Test probe C/D with force

Product Picture	Reference Standard	Specifications
	IEC60335	Test Probe Length:100mm Test Probe Diameter:1.0mm/2.5mm Dam-sphere Diameter:35mm Handle Diameter:10mm Handle Length:100mm Force:1N/3N

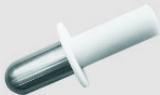
### Test Finger Nail

Product Picture	Reference Standard	Specifications
	IEC60335 UL1025 UL1278 UL507	Finger Tip; Middle Finger; Finger Base Force:10/20/30/40/50N

### Test Probe with force


Product Picture	Reference Standard	Specifications
	IEC60884	Section:3mm*1mm and $\Phi$ 1mm Force:1N/20N Length:80mm

### 75mm Test Probe


Product Picture	Reference Standard	Specifications
	IEC60335	Probe Diameter:75mm Probe Length: 50mm Baffle Plate Diameter: 100mm Baffle Plate Thickness: 10mm

## Accessibility Probes

### Scratching Tool Tip

Product Picture	Reference Standard	Specifications
	IEC60335-2-24	Hardened Steel K10


### Wedge Probe

Product Picture	Reference Standard	Specifications
	UL60950	Test Tool Total Length: 300mm Test Tool Width: 50mm The Bending Part Length: 30/30/40mm


### Telecom Test Probe

Product Picture	Reference Standard	Specifications
	IEC60065 IEC60695 IEC60950	Probe Diameter: 12mm Probe Length: 80mm Baffle Plate Diameter: 50mm


### Test Hook Probe

Product Picture	Reference Standard	Specifications
	IEC60065	Length: 180mm Width: 5mm Thickness: 1mm

### Creepage Distance Test Card




Product Picture	Reference Standard	Specifications
	IEC60065-2005 IEC60598.1-2008 IEC60335.1-2006 IEC60601.1-2005	PD8: 1.0/1.5/2.0/2.5/3.0/4.0/6.0/8.0mm PD27: 1/1.1/1.2/1.3/1.4/1.5/1.6/1.7/1.8/ 1.9/2.0/2.5/2.8/3.0/3.2/3.3/4.0/4.5/5.0/ 5.5/6.0/6.3/6.4/7.0/8.0/9.0/10mm Provide Customized Size.

### Articulated UL Finger Probe


Product Picture	Reference Standard	Specifications
	UL507 UL982	Test Finger Length: 234mm The Bending Part Length: 30/30/40mm




## UL Test Probe

Product Picture	Reference Standard	Specifications
	UL507 UL1278	Total Length :88.9mm (3.5inch) Head Length: 25.4mm (1inch) Head Radius: R3.175mm (1/8 inch) Former Head Diameter: 12.7mm (1/2 inch) Tail Diameter: 25.4mm (1 inch)
	UL507 UL1026	Total Length:101.6mm (4inch) Head Length: 12.7mm (1/2inch) Head Radius: 14.3mm (9/16inch) Former Head Diameter: R4.8mm (3/16inch) Tail Diameter: 19.1mm (3/4inch)
	UL507(S2140A)	Total Length:25.4mm (1inch) Head Length: 101.6mm (4inch) Former Head Diameter: R12.7mm (1/2inch) Tail Diameter: 31.75mm (1-1/4inch)

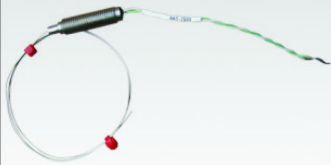
## Glow Wire Loop

Product Picture	Specifications	Application
	Nickel/Chromium(80/20) 4.0mm±0.04mm(before bending).	It is the mainly used in Glow wire test apparatus.

## Test Chain

Product Picture	Specifications	Application
	Test chain is composed of copper and zinc alloy(Cu 63% Zn 37%), without any surface treatment and coating, 200g/m load tensile resistance at $2.5 \pm 20\% \Omega$ . according to IEC60598-1 standards.	It mainly used for lighting without insulation, accessible and opposite SELV part accidental short circuit protection test

## Thermocouple Type K

Product Picture	Specifications	Technical Parameters
	1. Insulation type high temperature resistant armored thermocouples (443-7939, 443-7951, 443-7919, 443-7921) 2. Thermocouple temperature probe portion is made of bent 310 stainless steel sheath, with excellent antioxidant properties, suitable for corrosive medium and high voltage applications.	Length: 500mm Thermocouple Diameter: 0.5mm Temperature: -40~1100℃ Fixed Position: M8 (British Thread) <b>Note:</b> This thermocouple is used to Glow Wire Tester, Needle Flame Tester, Horizontal and Vertical Tester, Wire and Cable Vertical burning tester and need to provide additionally temperature cooper head for Needle Flame Tester and Horizontal and Vertical Tester.

## Environmental Tester Series



Product	Salt Spray Test Machine			
Description	Bo Nute principle draw salt water and then spray, atomization uniform, no crystallization of the blocking phenomenon, to ensure continuous testing, the compressed air nozzle on the way through it leading to the bubble column was wet, the corrosion solution and air nozzle atomized into a corrosive mist, inside the heater to maintain the temperature inside.			
Specifications	Model	AUTO-60	AUTO-90	AUTO-120
	Inner Box Size (W*D*H)	60*45*40cm	90*60*50cm	120*80*50cm
	Outsider Box Size(W*D*H)	107*58*103cm	138*80*115cm	170*95*121cm
	Power Supply(220V/50HZ)	1.5KW	1.5KW	3KW
	Testing Capacity	108L	270L	480L
	Customized Size or Volume are provided.			

### Technical Features

Box material: Local temperature and humidity inside and outside the box are used for A-level gray high-corrosive PVC, for salt spray, copper acetate, and other test specifications test.			
Saturation pressure barrel : It uses the A-level German imports of gray PVC material.			
Laboratory Racks: It uses sophisticated Class A gray PVC material designed "V" shapelong, products tested by the 15 °~30 ° angle be adjusted.			
Laboratory cover:It uses a 5mm thick transparent imported high toughness PVC board,bending method designed to cover 100 degree ridge-type transparent.			
With power failure memory function of time, so after the original call time to complete the remaining time of the experimental work, with a double over-temperature protection,water shortage warning, ensure safety.			
	Standard Laboratory	Test Room	Air Pressure Barrel
Salt spray test	NSS, ACSS	35°C±1°C	47°C±1°C
Corrosion test	CASS	50°C±1°C	63°C±1°C
Reference Standard	CNS:3627, 3385,4159,7669, 8886 JIS:D0201,H8502,H8610,K5400,Z2371; ISO: 3768,3769,3770; ASTM: 8117,B268		



Product	Constant Temperature and Humidity Test Chamber						
Standard	IEC60068-2-78						
Application	To electrical, electronics, household appliances, automobiles, motorcycles, chemicals and other products from parts and materials for low-temperature test						
Technical parameters							
Model		AUTO-80	AUTO-150	AUTO-225	AUTO-408	AUTO-800	AUTO-1000
Interior Dimension (mm)	W	400	500	500	600	1000	1000
	H	500	600	750	850	800	1000
	D	400	600	600	800	1000	1000
Exterior Dimension (mm)	W	930	1030	1080	1170	1600	1450
	D	1310	1420	1620	1720	1870	1900
	H	900	910	1120	1320	1320	1550
Inside volume		80L	150L	225L	408L	800L	1000L
Temperature range		0℃~150℃(150℃) ; -20℃~150℃ ; -40℃~150℃; -70℃~150℃					
Humidity range		20%~98%RH (Provide customized humidity)					
Temp. & Humidity accuracy		±0.2℃; ± 2.5%RH					
Temp.&Humidity uniformity		± 1℃; ± 2%RH					
Heating up and down time		About 3.0℃/min ; About 1.0℃/min					
Interior Material		High quality SUS304# stainless steel plate					
Exterior Material		High quality SUS304# bright stainless steel plate					
Heat Insulation Material		Ultra-fine glass fiber insulation cotton / rigid polyurethane foam					
Cooling system		Air cooled type/Double stage compressor (-40℃~-70℃)					
Heating system		Nickel chromium alloy electric heater					
Humidification mode		External isolated, stainless steel electric steam humidification mode occurs					
Water supply system		Electronic device controller automatic control of liquid, and more than recycled water, with water alarm.					
Power supply		AC 220V·50HZ/380V·50HZ					



<b>Product</b>	<b>Fast Temperature Change Chamber</b>
<b>Standard</b>	IEC60068-2-1-2007 IDT
<b>Application</b>	For electrical, electronics and machine parts to cold test, the temperature gradient through rapid changes in conditions or the suitability test. Especially suitable for electrical and electronic products, environmental stress, screening options (ESS) test.

#### Technical parameters

Model		Auto-K100	Auto-K150	Auto-K225	Auto-K408	Auto-K800	Auto-K1000
Feature	Temperature Method	Balance the thermostat mode (BTC method)					
	Temperature range	-40℃~130℃(150℃) ,-60℃~130℃(150℃)					
	Temperature uniformity	± 2℃					
	Temperature fluctuations	± 0.5℃					
	The rate of temperature change	3℃/min-15℃/min(Optional),Linear 3℃/min-10℃/min(Optional)					
Inside volume(L)		100	150	225	408	800	1000
Studio Size(cm)		40*50*50	50*60*50	50*60*75	60*80*85	80*100*105	100*100*100
Material	The inside of material	SUS304 bright stainless steel thickness = 1.2-1.5mm					
	Outer covering material	SUS304 brushed stainless steel cold-rolled steel plate or anti-rust treatment (spray)					
	Insulation Heat	Fine glass wool or polyurethane foam					
Refrigerator system	Refrigerator	Closed (import) compressor					
	Refrigerator	R23 R404A Condensation method: air-cooled or water cooled					
Heater		Nichrome heating wire heater    Inlet system: axial fan					
Airflow Method		Broadband type forced air circulation (on the next entry)					
Control system		Programmable touch screen thermostat Korea DZX5000					
Water supply		Circulating water					
Water tank		Built-in Drawer(30kg container) R23 R404A Condensation method: air-cooled or water cooled					
Water Quality		Resistivity>500Ω.M					



<b>Product</b>	<b>QUV UV Aging Testing Chamber</b>
<b>Standard</b>	ASTM D4329,D499,D4587,D5208,G154,G53 ISO4892-3 ISO11507 EN534 EN1062-4 BS2782 JIS D0205 SAE J2020.
<b>Description</b>	QUV aging testing chamber can simulate the sun, rain and dew to damage the material, the machine using UV lamp simulate the effect of sunlight, cold rain and dew. Being tested materials are placed in a certain environment which the light and moisture are alternating. Damage types include: bleaching, discoloration, loss of light, powder, crack, turbidity, bubble-based, embrittlement, strength decline and oxidation.
<b>Application</b>	QUV UV aging testing chamber is widely used in paint, resins, plastics, printing and packaging, aluminum, adhesives, auto, cosmetics, metals, electronics, electroplating, medicine, etc.

#### Technical parameters

<b>Model</b>	<b>AUTO-2008</b>
<b>Bulb number</b>	UV Lamp 8, spare lamp:4 (ATLAS,UVA340,UVB313,UVC351)
<b>Recorder</b>	Option
<b>Radiometer</b>	Option
<b>UV temperature</b>	From 50 to 75 °C
<b>Testing capacity</b>	48 piece(75 x 150mm) , 50 piece( 75 x 150mm )
<b>Water and consumption</b>	Distilled water, 8 liters / day
<b>Volume (W x D x H)</b>	137 x 53 x 136cm
<b>Weight</b>	136kg
<b>Power Supply</b>	1 ψ , 120V/60Hz, 16A or 230V/50Hz, 9A, 1800W(max)



## Environmental Tester Series



<b>Product</b>	<b>Dust Test Chamber</b>
<b>Standard</b>	IEC60529 IEC60950 IEC61032 IEC60950 IEC60335
<b>Application</b>	Dust Test Chamber is applied to all mechanic, electric, electronic, electric chemical and mechanical and electric equipments, it is used to evaluate whether equipment can resistivity and storage, running or not in air of dry sand or dust.

### Technical parameters

Humidity Range	R.T.+5-60°C(adjustable)
Wind Speed	≥7.5m/s
Metal mesh diameter	50um
Test Chamber size	1000×1000×1000mm ( customized sizes provided)
Screen stencil diameter	75~100um
Talcum powder dosage	2kg~4kg/m <sup>3</sup>
Testing dust	dry powder, silicatecement, flue dust etc
Way of vibration	discontinuous or continuous(adjustable)
Blow the sand dust	discontinuous or continuous(adjustable)
Cable hole	50mm(circumscribed power accepted)
Time control	continuous 1~9999(S,M,H); circle:99~99(S,M,H)(adjustable)
Power Supply	AC 220V, 1KW



<b>Product</b>	<b>Ozone Aging Test Machine for Ozone Corrosive Test</b>
<b>Standard</b>	JIS K 6259 ASTM1149 ASTM1171 ISO1431 DIN53509
<b>Description</b>	Ozone is a major factor in rubber cracking although it is rare in the atmosphere, ozone aging tank simulates and enhance the condition of ozone in the atmosphere to study the effects of ozone on rubber, and then identify and evaluate the method to resist ozone and aging for rubber, adopt effective anti-aging measures to enhance the life of rubber products.
<b>Application</b>	It is widely used to control products quality in measuring quality control; Rubber & Plastics; automobile production; wire and cable; packing materials; instruments and meters; medical equipment; civilian nuclear energy; civil aviation; colleges and universities; research laboratories; inspection arbitration, and technical supervision departments and other rubber products.

### Technical parameters

Model	<b>AUTO-2018</b>
Ozone concentration	0~1000pphm adjustable
Relative humidity	60%RH above
Temperature	RT+10~+70°C 0~+70°C
Ozone produced mode	Ozone generator or UV absorption method
Inside air velocity	Over 2 feet/sec
Degree Fluctuation	10%
Inside size	500×500×600mm
Air flow	A.0~6 cfm;B. 10~20 cfm
Weight	250kg
Power Supply	AC220V,15A
Accessories	Tensile fixture 6 groups



<b>Product</b>	<b>Xenon Lamp Climatic Testing Machine</b>
<b>Standard</b>	IEC60068-2-1.1990 low-temperature testing method IEC60068-2-2.1974 high-temperature testing method GJB150.3 high-temperature test GJB150.4 low-temperature test GJB150.9 humidity test
<b>Description</b>	Plastic Xenon Lamp Climatic Testing Machine is a comprehensive climate testing machine, can do climatic aging test and the lightfastnesstest of polymer materials which exposed at simulated sunlight. It simulates the light, temperature, rainfall, condensing, humidity to test the materials; it can be used for choosing new materials, improving existing materials, or assessment of change in material composition.
<b>Application</b>	Plastic Xenon Lamp Climatic Testing Machine applied to control the product quality, such as electronic, plastic products, electrical appliances, instruments, food, vehicles, metals, chemicals, building materials, aerospace, medical care ... and so on.

#### Technical parameters

Model		AUTO-2011
Testing room D×W×H		500*600*500mm
Index	Temperature range	RT+10°C~80°C
	Humidity range	65~98%R·H
	Spray time	1~9999min, abjustable
	Spray cycle	1-240min, interval adjustable
	Spectral wavelength	290nm~800nm(550w/m2)
	Light source	Climatic testing chamber
	Xenon lamp power	2.5 kw(longevity:1600H)
Temperature and humidity controlsystem	Time controller	Import controller from Moeller
	Accurate range	Temperature: ±0.1°C, Humidity: ±0.1°C·H
	Sensor	Platinum resistance Pt100Ω/mv
	Heating system	Independent system, nickel chromium alloy electric heating type heater
	Humidity system	Stainless steel, external Isolated humidifier
	Blackboard temperature	Bimetal thermometer blackboard 55~75°C
	Water supply	Humidification water supply with automatic control, xenon lamp cooled by water recycling
	Temperature controller	Import controller
	Humidity	Irradiation: 30%~65%RH darkly: up to 90%RH
	Cycle system	Low-noise air-conditioning-type motors, multi-leaf-type centrifugal wind wheel
Outside material		Advanced spray color plate /SUS304 stainless steel
Inside material		SUS304 stainless steel
Sample holder material		SUS304 stainless steel
Insulation		High and low temperature aging of silicone rubber
Standard		A set of radiation-proof glass window, dynamic testing sample shelf 1, xenon lamp tube 2
Power Supply		AC380V±10% 50±0.5HZ , Three-phase five-wire system
Environmental temperature		±5~+30°C ≤85%R·H

