



ZHEJIANG HANGKE INSTRUMENT CO., LTD.

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CATALOGUE

From the micro to the macro, empower by technology to create extraordinary value for our clientele

ZHEJIANG HANGKE INSTRUMENT CO., LTD.

ATIS[®]



VISION

Always provide high-quality products, services and solutions.Build a symbiotic partnership with our clientele, and win-win.

Never stop pursuing the evolution of technology, operating system and user experience. Try to be an extraordinary company with global competitiveness.

Always maintain the spirit of open, pioneering, create and share. Became an outstanding platform for every go-getter.

SENSE OF WORTH

Customer-centric, employees-based. Taking quality as the core and integrity as the essence. Taking innovation as the goal and pragmatism as the foundation.

Wafer-level reliability test system

wafer-level devices based on JEDEC reliability test standard; It provides high-precision and high -voltage output, and saves records high-precision current, controllable temperature and other parameters, and according to the recorded test data, export experiment tables and MAP diagrams in multiple formats.

- Customized high-temperature adjustment semi-automatic probe station, supporting ≤ 5 wafers simultaneous burn-in test
- Support nitrogen protection to prevent wafer oxidation, and support overvoltage protection when filling
- Support to change the Burn-in Board or probe card to different package devices for test
- Support wafer mounting contact spot detection, real-time temperature and pressure detection
- Support built-in wafer layout MAP configuration, real-time display of data and query of historical data
- Support access to the centralized control station (smart core protection cloud) system, customized docking with the MES system

CWBS1000 Product Features

Test temperature zone	1 (Support customization \leq 5)
Test temperature	RT~200°C
Applicable products	GaN/SiC and other 6-inch and
Multi-station parallel test	1 (Support customization \leq 5)
Temperature overshoot	<2°C
Grid voltage range (accuracy)	±60V(0.1%±10mV)
Grid current range (accuracy)	HTGB: 0.1nA~0.1uA(1%±50pA Vth: 100mA(0.1%±20uA)(single
Source voltage range (accuracy)	2000V(0.5%*Vmax+1000mV)
Source current range (accuracy)	30mA(1%±2LSB)
Voltage and current overshoot	HTRB overcharged<2%, HTGB
Methods of communication	TCP network/485 serial port
Operating system	Windows 7 and above
MES system interface	Customize and integrate with
Total weight	760KG±10%
Dimensions of machine	2050mm(W)x1400mm(D)x175
Single-chamber size	1920mm(W)x1250mm(D)x30

Applicable standards

AEC-Q101, JEP183, IEC60749-23, JESD22-A108F

Applicable components

For high-temperature and high-voltage reliability test of wafers such as GaN/SiC, and automatic test and data analysis of Vth, Igs, Ids and other parameters.



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1 ZONE

CWBS1000

The system is suitable for electrical reliability test for controllable high-temperature for 6/8-inch

• Support the independent protection function of each wafer die, and control the over-current and over-voltage beyond the limit

• Support HTGB, HTRB and other burn-in test functions, Vth/IDS/IGS and other parameters of automatic testing and data analysis

)		
d 8-inch wafers)	ATIS	
)(single station) e station)		
overcharged<200mV		
third-party systems and	data	
50mm(H)		
)0mm(H)		

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LSIC burn-in test system

LSIC7000

16 ZONE/32 SLOTS

The system supports dual temperature zones, and can carry out HTOL burn-in test at room tempera -ture +10°C~150°C, and detect the output signal of the device in real time during the burn-in process, in which the vectors are automatically compared.

- Each burn-in board provides 8 programmable power supplies (0.5~10V/0~25A), and the power supply specifications can be customized individually
- Each burn-in board is available with 184 DR channels and 32 bidirectional I/O channels
- Each chamber can support up to 4 kw of heat dissipation
- Vector files in STIL, VCT, VEC formats can be directly imported and used
- Chip BIST test is allowed
- Fully compatible with DL601H machined burn-in boards, plug and play
- Full experimenter human safety considerations are set

LSIC7000 Product Features

Test temperature zone	2	
Test temperature	RT +10℃~150℃	
Burn-in test zone	16 ZONE/32 SLOTS	
Digital signal frequency	12.5MHz	
Vector depth	16M depth	
Signal channels	184 channels (including 32 bidirectional I/O)	Country Country
Clock groups	8	TIS I I I I I I I I I I I I I I I I I I
Signal period	80~20480nS	
Timing edge	2 edges	n
PIN format	8 types	u - u ,
Programmable VIH	0.5~5V	
Voltage compare range	0.5~5V	
I/O drive current	DC≥50mA, Instantaneous current≥80mA	· · · ·
DPS power supply	0.5~6.0V/25A (10V/10A optional)	
DPS power supplies	8(can be configured according to customer require	ements)
DPS output protection	OVP(Overvoltage), UVP(Undervoltage), OCP(Overc	current)
Machine power supply	Three-phase AC380±38V	
Maximum power	35KW (typical)	
Total weight	1600KG (typical)	
Dimensions of machine	3200mm(W)×1675mm(D)×2370mm(H)	

Applicable standards

MIL-STD-883 MIL-STD-38510 AEC-Q101 JESD22A-108

Applicable components

For general-purpose integrated circuit memory, FPGA, ARM, DSP and other VLSI.



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LSIC burn-in test system

The system can perform HTOL test on the chip at room temperature +10°C~150°C. The output signal of the component is monitored in real time and the vector is automatically compared during the burn-in process.

- Each burn-in board provides 10 programmable power supplies (and the power supply specifications can be customized individual
- Each burn-in board is available with 256 bidirectional I/O channe
- Each chamber can support up to 38kw of heat dissipation
- Vector files in STIL, VCT, VEC formats can be directly imported an
- Chip BIST test is allowed
- Supports up to 24 independent temperature control workstations
- Full experimenter human safety considerations are set

LSIC9000 Product Features

Test temperature zone	1
Test temperature	RT +10°C~150°C
Burn-in test zone	32
Digital signal frequency	10MHz
Vector depth	16M depth
Signal channels	256 independent programmable bid
Clock groups	8
Signal period	80~20480nS
Timing edge	2 edges
PIN format	8 types
Programmable VIH	0.5~5V
Voltage compare range	0.5~5V
I/O drive current	DC≥100mA, Instantaneous current >
DPS power supply	0.5~6.0V/25A (10V/10A, 6V/50A opt
DPS power supplies	10 (can be configured according to a
DPS output protection	OVP(Overvoltage), UVP(Undervoltag
Machine power supply	Three-phase AC380±38V
Maximum power	100KW (typical)
Total weight	2200KG (typical)
Dimensions of machine	2500mm(W)×1450mm(D)×2470mm(H

Applicable standards

MIL-STD-883 MIL-STD-38510 AEC-Q101 JESD22A-108

Applicable components

For general-purpose VLSI circuits, SOC, FPGA, ARM, AI, and low-power GPUs.



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No. 157	Hongda	Road	Hangzhou	1 (



2X16 ZONE

LSIC9000

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nd used					
5					
lirectional I/O					Ī
	(ATI	S '			
	(l
					l
200mA ional)		. 0	31	Ca 1	ľ
customer requirement) e),OCP(Overcurrent)					
1)					



3 ZONE

IGBT power cycle test system

PC1800A/3000A/3600A

The system is suitable for power cycling test of various sizes of IGBT modules and uses the advanced JEDEC static test method (JESD51-1) to generate temperature changes by varying the input power of the electronic component. During the change, through transient temperature response curve of the tested chip and data processing of the test waveform to obtain the full thermal characteristics of the electronic component.

- Supports minute/second power cycling test
- Equipped with oil-cooled platform, which can quickly and automatically calibrate the K-factor of the component
- Fixture supports adjustable strength and depth for effective clamping of different packaging of modules
- With solenoid water valve, can automatically adjust the cooling water flow according to the actual situation, or manually adjust
- Through the transient temperature response curve of the test component, data processing of the test waveform to obtain the comprehensive thermal characteristics of the electronic component
- Full experimenter human safety considerations are set

PC1800A/3000A/3600A Product Features

	2			-
Test temperature zone Test temperature	Water cooling plate:10°C~80°C Oil cooling plate:-10°C~150°C		and the state of the	1
Burn-in test zone	3		AND THE OWNER	-
Constant temperature system	water cooling system:±0.5°C		ATIS'	
control accuracy	Oil cooling system:±0.1°C		PC3000A	1000
Junction temperature test accuracy	±2°C		an	
Cold plate and shell temperature testing accuracy	±2°C		HILING TOTAL	
Heating current	600A/zone (supporting three zon 1000A/zone (supporting three zo 1200A/zone (supporting three zo	nes in parallel 3000A)		
Test current	±(10~1000mA)		_	
Test current accuracy and resolution	\pm (0.3%+2mA), resolution 0.1mA	Ą		
Machine power supply	Three-phase AC380±38V		_	
Maximum power	30KW (typical)			
Total weight	500KG (typical)		_	
Dimension of machine (without water cooler)	1400mm(W)×900mm(D)×1300	mm(H)	_	

Applicable standards

JESD51 AQG324

Applicable components

For various sizes of IGBT modules and Mos modules.



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IGBT power cycle test system

The system is suitable for power cycling test of various sizes of IGBT modules and uses the advanced JEDEC static test method (JESD51-1) to generate temperature changes by varying the input power of the electronic component. During the change, through transient temperature response curve of the tested chip and data processing of the test waveform to obtain the full thermal characteristics of the electronic component.

- Supports minute/second power cycling test
- Equipped with oil-cooled platform, which can quickly and automatically calibrate the K-factor of the component
- Fixture supports adjustable strength and depth for effective clamping of different packaging of modules
- With solenoid water valve, can automatically adjust the cooling water flow according to the actual situation, or manually adjust • Through the transient temperature response curve of the test component, data processing of the test waveform to obtain
- the comprehensive thermal characteristics of the electronic component
- Full experimenter human safety considerations are set

PC1800C/3000C/3600C Product Features

Test temperature zone	3
Test temperature	Water cooling plate:10°C
Burn-in test zone	3
Constant temperature system control accuracy	water cooling system:±0.
Junction temperature test accuracy	±2°C
Cold plate and shell temperature testing accuracy	±2°C
Heating current	600A/zone (supporting th 1000A/zone (supporting t 1200A/zone (supporting t
Test current	±(10~1000mA)
Test current accuracy and resolution	$\pm(0.3\%+2mA)$, resolution
Machine power supply	Three-phase AC380±38V
Maximum power	30KW (typical)
Total weight	500KG (typical)
Dimension of machine (without water cooler)	1400mm(W)×900mm(D)

Applicable standards

JESD51 AQG324

Applicable components

For various sizes of IGBT modules and Mos modules.



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PC1800C/3000C/3600C



hree zones in parallel 1800C) three zones in parallel 3000C) three zones in parallel 3600C)

on 0.1mA

D)×1300mm(H)





Integrated circuits dynamic high temperature burn-in test system

GPIC2010 16/32/48 ZONE

The system adopts TDBI technology and can perform HTOL burn-in test at room temperature +10°C~200°C. The current and output signal of the component are monitored in real time during the burn-in process.

- Real-time monitoring of the current and output signal of the component
- With gold finger connector
- Customized burn-in test board according to different component packaging, power and other requirements
- Full experimenter human safety considerations are set

GPIC2010 Product Features

Test temperature zone	1		
Test temperature	RT +10℃~200℃		
Burn-in test zone	48 (16/32 zone optional)		
Digital signal frequency	10MHz (optional 20MHz)		
Digital signal programming depth	8 Mbit channel	-	
Digital signal programming step	50nS~0.5S		
Digital signal channels	64 channels	_	Π
Digital signal mode	Support signal cycle	: <u>:</u> ::	
Maximum driving current of digital signal	loh≥150 mA, lol≥150 mA		
Analog signal output channel	4		
Maximum driving current of analog signal	0.5A		Ío
Analog signal frequency	1Hz~2MHz		
Analog signal synchronization phase	≤1°		3
Analog signal type	Arbitrary waveforms such as sine, triangle, leading -edge sawtooth, trailing-edge sawtooth		
Secondary power supply	4 channel, 0.5~18V/10A		
Current detection range	0~10A		
Voltage detection range	0~18V		
Machine power supply	Three-phase AC380±38V		
Maximum power	20KW (typical)		
Total weight	950KG (typical)		
Dimensions of machine	1700mm(W)×1400mm(D)×2000mm(H)		

Applicable standards

MIL-STD-883 MIL-STD-38510

Applicable components

For various analog circuits, digital circuits, digital-analog hybrid, opto-couplers, MCU, FPGA and other general-purpose integrated circuits.



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Opto-couplers burn-in test system

The system can conduct high-temperature constant current and power burn-in test for various single opto-coupler, double opto-coupler and guad-opto-coupler devices. Applicable output types: transistors, Darlington transistors, thyristors, digital circuits, etc. The system is applicable to the life screening test and secondary screening test of various devices in research institutes, microcircuit device manufacturers, etc., and is applicable to the test requirements of small batch and multiple varieties.

- The function of the drive board is modularized, and different functions are realized by each module. The subsequent replacement and maintenance are convenient
- It can test opto-couplers of different channel numbers and types, with strong versatility
- There are 1024 constant current rings, which can be calibrated separately to achieve high-precision testing
- Compatible with various types of burn-in boards to achieve burn-in of different components
- Full experimenter human safety considerations are set

GPIC2004 Product Features

Test temperature zone	1
Test temperature	RT +10℃~200℃
Burn-in test zone	16
Load constant current control range	1~80mA
Program control accuracy	±(1.0%xRD+2LSB)
Voltage detection range	0.1V~120.0V Deviation ±
Burn-in channels	16*64=1024
Leakage current detection range	1~100mA
Leakage current detection accuracy	±(1.0%xRD+2LSB)
Burn-in mode	Two operating modes of
Constant power detection deviation	±(3.0%xRD+3mW)
Power supply	0~60V/40A (optional 8 ch
Machine power supply	Three-phase AC380±38V
Maximum power	8KW (typical)
Total weight	650KG (typical)
Dimensions of machine	1400mm(W)×1400mm(D

Applicable standards

MIL-STD-75

Applicable components

For various single opto-couplers, dual-opto-coupler and quad-opto-coupler components; various bidirectional input type and unidirectional input type components; triode, Darlington tube, transistor, thyristor, digital circuit, etc.



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16 ZONE

GPIC2004

		ļ
	ATIS GPIC2004	
±(1.0%xRD+2LSB)	Ē.	••••
f constant current and power	E	
channels)		
V		
D)×2000mm(H)		



Dynamic high temperature reverse bias burn-in test system

DHTRB2000

8 ZONE

The system performs dynamic high temperature reverse bias burn-in test for SiC MOS transistor with reference to AOG324 test method. Up to 12 stations can be tested in each test area, with independent pulse source configurations. RT +10°C~200°C test temperature is available for the device. It has the function of short-circuit disengagement test of test device, which can automatically detach the faulty device from the burn-in test without affecting the normal test of other devices.

- dv/dt>50V/ns (Coss<300pF)
- 2us overcurrent protection
- It can be heated independently at room temperature +10°C~200°C, and is compatible with static HTRB test

DHTRB2000 Product Features

Test temperature	RT +10℃~200℃ (thermal plate)	
Burn-in test zone	8 (scalable)	
Stations per zone	12 (typical)	ATIS
Test Method	Active: VGS, off = VGS, min and VGS, on = VGS, max Passive: VGS = VGS, min recom	DHTR82000
Voltage range	50~1200V	== ,
Voltage accuracy	Detection deviation: $\pm(2\%+1V)$	
Pulse control	 Pulse frequency (square wave): 0kHz~100kHz; Accuracy: 2%±2LSB (The maximum frequency depends on the voltage, DUT capacitance) Square wave duty cycle 20%~80%; Accuracy: ±2% Voltage rise rate (dv/dt) ≥50V/ns (Coss < 300pF) Voltage overshoot<15% (Vpp > 960V) 	
VGS voltage test & control range	-0.7V~ -20V/0V	
Leakage current detection	Detection range: 0.1uA~20mA. Accuracy: Option1: 0.1uA~0.999uA resolution 0.01uA accuracy: 1%±0.02uA Option2: 1.00uA~99.9uA resolution 0.1uA accuracy: 1%±0.2uA Option3: 100uA~999uA resolution 1uA accuracy: 1%±2uA Option4: 1.0mA~20.00mA resolution 0.1mA accuracy: 1%±0.2mA	
Machine power supply	Three-phase AC380±38V	
Total weight	700KG (typical)	
Dimensions of machine	800mm(W)x1400mm(D)x1950mm(H)	

Applicable standards

AEC-Q101 AQG324 JESD22-A108 JEDEC JEP183A

Applicable components

For SiC GaN IGBT MOS





Dynamic high temperature gate bias burn-in test system

The system performs dynamic high temperature gate bias burn-in test capabilities for the third -generation SiC MOS transistor, and each test area can independently burn up to 12 work stations. independently 12 configurable pulses, and the leakage current of the test gate does not interfere with each other. The device is available at room temperature+10°C ~ 200°C. It has the function of short-circuit disengagement test of test device, which can automatically detach the faulty device from the burn-in test without affecting the normal test of other devices.

- High-speed dv/dt>1V/ns
- nA leakage current test
- Threshold value voltage test
- Customized burn-in test boards are available for different device packaging, power requirements, etc.
- Full experimenter human safety considerations are set

DHTGB2010 Product Features

Test temperature	RT +10°C~200°C (thermal plate)
Burn-in test zone	8 (scalable)
Stations per zone	12 (typical)
Test method	V _{Ds} =0V V _{Gs} , off = V _{Gs} , min, recom and V _{Gs} , on =V _{Gs} , max
VGS voltage control detection	Test control range: ±30V Detection deviation: ±(1%+2LSB) Voltage resolution: 0.01V
Pulse control	 Pulse frequency (square wave): 0kHz~500kHz; (The maximum frequency depends on the voltag Square wave duty cycle 20%~80%: Accuracy:±29 During the dynamic DGS test, the slope of the gran reach dv/dt>1V/ns (Ciss < 5nF) Voltage overshoot<10% (test voltage amplitude)
Alarm voltage VGSTH	1. VGS voltage test & control range: 1~10V (100n 2. Resolution: 0.01V, Accuracy: 1%±0.01V
IGS leakage current detection	Detection range: 1nA~99.9uA Option1: 1nA~99nA resolution 1nA leakage current Option2: 100nA to 999nA resolution 10nA Leakage Option3: 1uA~99.9uA resolution 100nA Leakage cu
Machine power supply	Three-phase AC380±38V
Total weight	700KG (typical)
Dimensions of machine	800mm (W) x1400mm (D) x1950mm (H)

Applicable standards

AEC-Q101 AQG324 JESD22-A108 JEDEC JEP183A

Applicable components

For SiC GaN IGBT MOS



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8 ZONE

DHTGB2010

~500kHz; Accuracy: 2%±2LSB the voltage. DUT capacitance) ccuracy:±2%

ope of the grid pole voltage

amplitude is greater than 25V)

-10V (100nA~50mA constant current source)

kage current detection deviation: 1%±2LSB nA Leakage current detection deviation: 1%±2LSB Leakage current detection deviation: 1%±2LSB





16 ZONE

Dynamic high temperature high humidity reverse bias burn-in test system

DH3TRB2000

The system performs dynamic high temperature and humidity reverse bias burn-in test for SiC MOSFET with reference to AQG324 for the test method. Up to 6 stations can be tested in each test area, with independent pulse source configurations. A standard 85°C/85%RH test environment is available for the device. It has the function of short-circuit disengagement test of test device, which can automatically detach the faulty device from the burn-in test circuit without affecting the normal test of other devices.

nA-level leakage current detection accuracy

- dv/dt > 30v/ns (Coss < 300pF)
- The whole machine is refreshed in 30s for full-station data
- Unique high-voltage suppression circuit, the instantaneous breakdown of the device does not affect the burn-in process of other stations
- The independent control function of the burn-in voltage of the station can be customized to realize the over-limit rejection of the
- burn-in of a single station
- Full experimenter human safety considerations are set

DH3TRB2000 Product Features

Test temperature	RT -20°C~180°C		
Test humidity	10%RH~98%RH		
Test Method	VGS, off = VGS, min and VGS, on = VGS, max		
Burn-in test zone	14		
Stations per zone	6 (typical)		
Voltage detection range	50V~1200V		
Voltage detection accuracy	Detection deviation; ±(2%+1V)		
Pulse control	1.Pulse frequency (square wave): 10kHz~50kHz; Accuracy: 2%±2LSB 2.Square wave duty cycle 20%~80% Accuracy:±2% 3.Voltage rise rate (dv/dt) ≥ 30V/ns (Coss < 300pF) 4.Voltage overshoot depends on the amplitude of the pulse	ATIS DHGTR82000	
VGS voltage test & control range	voltage, the maximum does not exceed 0.95Vbs Customized according to the device: VGS voltage: Positive voltage+18V, +20V, +22V, 3 options Negative voltage -3V, -5V, 2 options		
Leakage current detection	Detection range: 0.1uA~20mA Accuracy: Option1: 0.1uA~0.999uA resolution 0.01uA accuracy: 1%±0.02uA Option2: 1.00uA~99.9uA resolution 0.1uA accuracy: 1%±0.2uA Option3: 100uA~999uA resolution 1uA accuracy: 1%±0.2mA		
Machine power supply	Three-phase AC380±38V		
Total weight	1200KG (typical)		
Dimensions of machine			

Applicable standards

AEC-Q101 AQG324 JESD22-A108 JEDEC JEP183A

Applicable components

For SiC GaN IGBT MOS





Dynamic power components burn-in test system

The system can conduct dynamic burn-in and testing for MOSFET devices and the third generation SiC and GaN devices. During the burn-in process, it can monitor the peak current, working voltage and on resistance of the tested devices in real time, (record and export the burn-in test data as required).

- Burn-in of high-frequency dynamic voltage and current
- 60s full station data refresh of the whole machine
- Unique protection circuit, unit device breakdown will not affect burn-in process of other stations
- The independent control function of burn-in voltage in the location can be customized to eliminate burn-in overruns in a single station
- Full experimenter human safety considerations are set

DHTOL2000 Product Features

Test temperature zone	1
Test temperature	RT
Burn-in test zone	32 (16/32 zone optional)
Stations per zone	20 (typical)
Burn-in voltage range	0~650V, accuracy:±(2%+0.1V)
Current detection range	0~1A, accuracy:±(2%+0.05A)
Pulse frequency	50KHz~200kHz, accuracy:1%±2
Duty cycle	30%~70%, accuracy:2%
On-resistance Rds (on)	$30m\Omega \sim 5\Omega$, accuracy:10%
Machine power supply	Three-phase AC380±38V
Maximum power	25KW (typical)
Total weight	1100KG (typical)
Dimensions of machine	2075mm(W)×1350mm(D)×2020

Applicable standards

MIL-STD-750D AEC-Q101 AQG324 JESD22

Applicable components

For various large, medium and small power MOS transistor components and third-generation SiC and GaN components.



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16/32 ZONE

DHTOL2000





High temperature reverse bias burn-in test system

HTRB2000

16/32/40/48 ZONE

The system can perform the high temperature reverse bias burn-in test at room temperature +10°C~200°C. During the burn-in process, it can monitor the leakage current state and voltage state of the tested component in real time, record and export the burn-in test data as required.

- nA level leakage current detection accuracy
- 30s full station data refresh of the machine
- Unique high-voltage suppression circuit, instantaneous breakdown of components, without affecting burn-in process of other stations
- Customized independent control function of burn-in voltage of the work station to eliminate the burn-in overrun of a single station
- Customizable positive and negative power supplies to achieve simultaneous application of bias voltage to the upper and lower bridges of the module
- Full experimenter human safety considerations are set

HTRB2000 Product Features

Test temperature zone	1
Test temperature	RT +10°C~200°C
Burn-in test zone	16 (16/32/40/48 zone optional)
Stations per zone	80 (typical)
Burn-in voltage range	0~±2000V
Voltage detection accuracy	±(1%+2LSB)
Current detection range	10nA~50mA
Current detection accuracy	±(1%+10nA)
Machine power supply	Three-phase AC380±38V
Maximum power	8KW (typical)
Total weight	680KG (typical)
Dimensions of machine	1400mm(W)×1400mm(D)×2000mm(H)



Applicable standards

MIL-STD-750D AQG324

Applicable components

For MOS transistor, diode, triode, IGBT module, PIM module, SCR, etc.



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The system can perform high-temperature reverse bias burn-in testing at room temperature +10°C~200°C, and monitor the leakage of the tested device in real-time during the burn-in process Current state, voltage state of the tested device, and record burn-in test data as needed, and export test reports.

- Using a hot platform heating method to heat the device
- Each device can realize an independent heating platform and independent temperature control
- · Good heat transfer characteristics, aiming at the high temperature and high leakage characteristics of IGBT modules/discrete devices, it can achieve stable HTRB test at 175Tj
- The independent protection function can be customized to realize the single-station overrun cut-off
- Full experimenter human safety considerations are set

HTRB3100 Product Features

Test thermal platform	48
Test temperature	RT +10°C~200°C
Burn-in test zone	8
Voltage detection range	-2000V~+2000V
Voltage detection accuracy	±(1%+2LSB)
Current detection range	10nA~50mA
Current detection accuracy	±(1%+10nA)
Machine power supply	Three-phase AC380V±38V
Maximum power	24KW (typical)
Total weight	1600KG (typical)
Dimensions of machine	Left chamber: 1500mm(W) x 1400r Right chamber: 1500mm(W) x 1400 Control cabinets: 600mm(W) x 140

Applicable standards

MIL-STD-750D AQG324

Applicable components

For MOS transistors, diodes, triode, IGBT modules, PIM modules, SCR, etc.



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8 ZONE

HTRB3100



mm(D) x 1980mm(H) 00mm(D) x 1980mm(H) 00mm(D) x 1980mm(H)



High temperature reverse bias burn-in test system

HTRB4000

12 ZONE

ATIS

The system can carry out high-temperature reverse bias burn-in test at room temperature +10°C~200°C, and monitor the leakage current state and voltage state of the device under test in real time during the burn-in process, and record the burn-in test data as needed, and export the test report.

- The device is heated using a thermal platform heating method
- Each device can realize an independent heating platform and independent temperature control
- · Good heat transfer characteristics, aiming at the high temperature and high leakage current characteristics of IGBT modules/discrete devices, it can achieve stable HTRB test at 175Ti
- The independent protection function can be customized to realize the single-station overrun cut-off
- The automatic loading platform, program gating, can be fully automated with the ground rail
- The test cabinet can be added or reduced according to the demand
- Full experimenter human safety considerations are set

HTRB4000 Product Features

96

Test thermal platform

Test temperature	RT +10°C~200°C
Burn-in test zone	12
Voltage detection range	-2000V~+2000V
Voltage detection accuracy	±(1%+2LSB)
Current detection range	10nA~50mA
Current detection accuracy	±(1%+10nA)
Machine power supply	Three-phase AC380V±38V
Maximum power	32KW (typical)
Total weight	6000KG (typical)
Dimensions of machine (6+1 disposition)	7000mm(W) x 1200mm(D) x 2250mm(H)



Applicable standards

MIL-STD-750D AQG324

Applicable components

For MOS transistors, diodes, triode, IGBT modules, PIM modules, SCR, etc.



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High temperature gate bias burn-in test system

The system can perform high-temperature gate bias burn-in tests at room temperature+10°C~200°C. During the burn-in process, the leakage current state and voltage state of the tested device are monitored in real-time, and burn-in test data is recorded as needed, and test reports are exported.

- nA level leakage current detection accuracy
- Full station data refresh for 30 seconds of the entire machine
- Customizable positive and negative power supplies to achieve simultaneous application of bias voltage to the upper and lower bridges of the module
- Full experimenter human safety considerations are set

HTGB2000 Product Features

Test temperature zone	1
Test temperature	RT +10℃~200℃
Burn-in test zone	16 (16/32/40/48 zone optional)
Stations per zone	80 (typical)
Burn-in voltage range	0~±100V
Voltage detection accuracy	±(1%+2LSB)
Current detection range	1nA~1mA
Current detection accuracy	±(1%+1nA)
Machine power supply	Three-phase AC380V±38V
Maximum power	8KW (typical)
Total weight	680KG (typical)
Dimensions of machine	1450mm(W) x 1450mm(D) x 2000

Applicable standards

JESD22-A101 AQG324 GJB128 MIL-STD-750D

Applicable components

For MOS transistor, diode, triode, IGBT module, PIM module, SCR, etc.



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HTGB2000

16/32/40/48 ZONE

• Customizable station burn-in voltage independent control function, achieving single station burn-in exceeding limit elimination



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High temperature bias burn-in test system

HTXB2000

8 ZONE

The system can perform high-temperature reverse bias and gate bias burn-in testing at room temperature+ $10^{\circ}C \sim 200^{\circ}C$, and monitor the leakage current state and voltage state of the tested device in real-time during the burn-in process. Current state, voltage state of the tested device, and record burn-in test data as needed, and export test reports.

- nA level leakage current detection accuracy
- 30S full station data refresh of the entire machine
- Unique high-voltage suppression circuit, instantaneous breakdown of the device does not affect the burn-in process of other workstations
- Customizable station burn-in voltage independent control function, achieving single station burn-in exceeding limit elimination
- Customizable positive and negative power supplies to achieve simultaneous application of bias voltage to the upper and lower bridges of the module
- The device can automatically switch between HTRB and HTGB burn-in modes, achieving one-time furnace entry and automatic completion of RB/GB burn-in
- Full experimenter human safety considerations are set

HTXB2000 Product Features

1
RT +10-200°C
16(16/32/40/48zone optional)
±(1%+2LS)
10nA-50mA
±(1%+10nA)
Three-phase AC380V±38V
8KW (typical)
6B0KG (typical)
1400mm(W)×1400mm(D)×2000mm(H)



Applicable standards

AEC-Q102 AQG324 JESD22-A101

Applicable components

For MOS transistors, diodes, triode, IGBT modules, PIM modules, SIC, GAN, SCR, etc.



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High temperature high humidity reverse bias burn-in test system

The system can conduct high temperature and high humidity (double 85) burn-in test. During the burn-in process, it can monitor the leakage current state and voltage state of the tested component in real time, record and export the burn-in test data as required.

- nA level leakage current detection accuracy
- 30s full station data refresh of the machine
- Unique high-voltage suppression circuit, instantaneous breakdown of components, without affecting burn-in process of other stations
- Customizable independent control function of burn-in voltage of work station to realize single work station burn-in over limit rejection
- Customizable positive and negative power supplies to achieve simultaneous application of bias voltage to the upper and lower bridges of the module
- Full experimenter human safety considerations are set

H3TRB2000 Product Features

T	1
Test temperature zone	1
Test temperature	RT +10℃~150℃
Test humidity	10%rh~98%rh
Burn-in test zone	16 (8/16 zone optional)
Stations per zone	80 (typical)
Burn-in voltage range	0~±2000V
Voltage detection accuracy	±(1%+2LSB)
Current detection range	10nA~50mA
Current detection accuracy	±(1%+10nA)
Machine power supply	Three-phase AC380±38V
Maximum power	10KW (typical)
Total weight	1000KG (typical)
Dimensions of machine	1650mm(W)×1750mm(D)×195

Applicable standards

MIL-STD-750D AEC-Q101 JESD22-A101

Applicable components

For MOS transistor, diode, triode, IGBT module, PIM module, SCR, etc.



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8/16 ZONE

H3TRB2000

components, without affecting burn-in process of other stations station to realize single work station burn-in over limit rejection neous application of bias voltage to the upper and lower bridges



50mm(H)



IGBT power module test system

PMRP2000

1 ZONE

The system is suitable for continuous power testing of IGBT power modules of various sizes. Based on practical application environments, burn-in parameter test is built perform electrical stress burn-in test on the system. Simulate the working conditions of IGBT power modules in the use of the entire vehicle for long-term high current burn-in and motor stall testing. Real time monitoring of peak current, average current, input voltage, output voltage and temperature of the tested device during burn-in process, record burn-in test data as needed, and export test reports

- Support minute/second level power test
- Real time monitoring of water cooler flow rate and temperature, with adjustable temperature and flow rate
- The driving circuit has a protective function, and module damage does not affect the normal operation of the equipment
- It has the function of quickly cutting off the busbar voltage, which is convenient for failure analysis
- Full experimenter human safety considerations are set

PMRP2000 Product Features

Test temperature zone	1
Test temperature	25°C~85°C
Burn-in test zone	1
Busbar voltage range	100V~1000V, power 40KW
Current range	Maximum peak current 600A@15s
Load current range	Three-phase power load rated current 600A
Machine power supply	Three-phase AC380V+38V
Maximum power	40KW (typical)
Total weight	1000KG (Reactor included))
Dimensions of machine	800mm(W)×1100mm(D)×2000mm(H)
Water temperature machine size	780mm(W)×1000mm(D)×1200mm(H)



Applicable standards

GB/T 18488.1-2015 GB/T 18488.2-2015 GB/T 29307-2012 QCT893-2011 GB/T 18385-2005

Applicable components

For IGBT power modules of various sizes.



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Intermittent life burn-in test system

This system is suitable for various packages (including F-type, TO-220, TO-247, TO-254, TO-257, TO-258, TO-3P, SMD-0.5, SMD-1, SMD-2, etc.) of high-power diodes, MOS transistor and other power devices for power cycling test and constant current power test. Each zone air duct of the system is independent, to fully avoid the impact of different test processes in different locations on the test results: During the experiment, machine can monitor the voltage and junction temperature characteristics of the component, and provide the junction temperature characteristic curve for later data analysis.

- Air cooling power cycle test
- Independent air duct in each location
- Strong wind cooling fan
- Maximum 60A current test capacity
- Support full open heating mode
- Full experimenter human safety considerations are set

IOL2000 Product Features

Test temperature zone	1(K-factor)
Test temperature	RT +10°C~200°C(K
Burn-in test zone	16 (8/16/20 zone o
Stations per zone	4 (typical)
Maximum work stations in series	8
Burn-in voltage	0~60V
Voltage detection accuracy	±(1%+2LSB)
Current detection	100mA~60A
Current detection accuracy	±(1%+100mA)
Junction temperature test current (Isense)	10~100mA
Machine power supply	Three-phase AC38
Maximum power	30KW (typical)
Total weight	1200KG (typical)
Dimensions of machine	2075mm(W)×1350

Applicable standards

MIL-STD-750D AEC-Q101

Applicable components

For MOS transistor, diode, triode and other power components.



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IOL2000

8/16/20 ZONE

-factor)	-		
ptional)	-		
	ATIS IOL2000		T.
0 + 20)/		-	
0±38V			
	-		

 $Dmm(D) \times 1950mm(H)$





Intermittent life burn-in test system

IOL3000

16 ZONE

This system is suitable for various packages (including F-type, TO-220, TO-247, TO-254, TO-257, TO-258, TO-3P, SMD-0.5, SMD-1, SMD-2, etc.) of high-power diodes, MOS transistor and other power devices for power cycling test and constant current power test. Each zone air duct of the system is independent, to fully avoid the impact of different test processes in different locations on the test results; During the experiment, machine can monitor the voltage and junction temperature characteristics of the component, and provide the junction temperature characteristic curve for later data analysis.

• Air cooling power cycle test

- Independent air duct in each location
- Strong wind cooling fan
- Maximum 60A current test capacity
- Support full open heating mode
- Full experimenter human safety considerations are set

IOL3000 Product Features

Experimental mode	Air cooling				
Test the air duct	16				
Burn-in test zone	16				
Stations per zone	16~80 (typical)				
Maximum load	300m (The cross-current mode of the device under test) 60A (Saturation turn-on mode)	ATIS ICL3000			
Maximum voltage	45V	1: H		1	
Maximum test temperature	200°C			H	
Voltage detection accuracy	± (1+2LSB)	i H		H	
Grid control voltage	±15V			H	
Junction temperature test current	Isense 10~100mA	(i - I)		H	1
Ground resistance	≤1Ω			-	
Machine power supply	Three-phase AC380V±38V	1	A		
Maximum power	50KW (typical)				
Total weight	700KG (typical)				
Dimensions of machine	1800mm(W)x1400mm(D)x1950mm(H)				

Applicable standards

MIL-STD-750D AEC-Q101

Applicable components

For MOS transistors, diodes, triode, IGBT modules, PIM modules, SiC, GaN, SCR, etc.



21



High temperature burn-in test system for capacitors

200°C, monitor the leakage current state and voltage state of the measured components in real time during the burn-in process, protect and reject the over-limit components, record and export the burn-in test data as required.

- Leakage current detection accuracy of nA level
- 30s full station data refresh of the whole machine
- Unique high-voltage suppression circuit, instantaneous breakdown of components, without affecting burn-in process of other stations
- Single station burn-in rejection
- Over current protection response time is less than 100us
- Unique design of automatic charging and discharging circuit
- Full experimenter human safety considerations are set

MKP2000 Product Features

1
RT +10~200°C
16 (16/32/40 zone optional)
40 (typical)
0~1200V
±(1%+2LSB)
10nA~30mA
±(1%+10nA)
Three-phase AC380±38V
8KW (typical)
680KG (typical)
1400mm(W)×1400mm(D)×20

Applicable standards

MIL-STD-202E

Applicable components

For MLCC, mica, film, paper media, ceramic and metallized paper media capacitors etc.





MKP2000

16/32/40 ZONE

The system can perform burn-in screening test for capacitors at room temperature +10°C~



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High temperature burn-in test system for capacitors

MKP2005

16/32/40/48 ZONE

The system can carry out capacitor burn-in screening test at room temperature +10 °C~200 °C, provide burn-in voltage up to 4500V, monitor the leakage current state and voltage state of the tested components in real time during burn-in process, protective rejection of over-limit components, record and export burn-in test data as required.

• Leakage current detection accuracy of nA level

- 30s full station data refresh of the whole machine
- Unique high-voltage suppression circuit, instantaneous breakdown of components, without affecting burn-in process of other stations
- Unique design of automatic charging and discharging circuit
- Full experimenter human safety considerations are set

MKP2005 Product Features

Test temperature zone	1
Test temperature	RT+10~200°C
Burn-in test zone	16 (16/32/40/48 zone optional)
Stations per zone	24 (typical)
Burn-in voltage range	500~4500V
Voltage detection accuracy	±(1%+2LSB)
Current detection range	10nA~1000uA
Current detection accuracy	±(1%+10nA)
Machine power supply	Three-phase AC380V±38V
Maximum power	8KW (typical)
Total weight	680KG (typical)
Dimensions of machine	1400mm(W)×1400mm(D)×2000mm(H)



Applicable standards

MIL-STD-202E

Applicable components

For MLCC, mica, film, paper media, ceramic and metallized paper media capacitors, etc.



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High temperature high humidity burn-in test system for capacitors

The system can conduct high temperature and high humidity (double 85) burn-in for capacitors. During the burn-in process, it can monitor the leakage current and voltage of the tested components in real time, record and export the burn-in test data as required.

- Leakage current detection accuracy of nA level
- 30s full station data refresh of the whole machine
- Unique high-voltage suppression circuit, instantaneous breakdown of components, without affecting burn-in process of other stations
- Unique design of automatic charging and discharging circuit
- Full experimenter human safety considerations are set

H3MKP2000 Product Features

Test temperature zone	1
Test temperature	RT -20~180°C
Test humidity	25%rh~98%rh
Burn-in test zone	16 (8/16 zone optional)
Stations per zone	40 (typical)
Burn-in voltage range	0~1200V
Voltage detection accuracy	±(1%+2LSB)
Current detection range	10nA~30mA
Current detection accuracy	±(1%+10nA)
Machine power supply	Three-phase AC380V±38V
Maximum power	12KW (typical)
Total weight	1050KG (typical)
Dimensions of machine	1650mm(W)×1750mm(D)×1

Applicable standards

MIL-STD-202E

Applicable components

For MLCC, mica, film, paper media, ceramic and metallized paper media capacitors, etc.



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H3MKP2000 8/16 ZONE



<1950mm(H)

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ATis

High temperature burn-in test system for power module

MPS2000

16/24/32 ZONE

The system provides high temperature environment and test conditions (including input power supply, load, output voltage, load current, etc.) for the test requirements of power module, and also detects various test conditions, including input voltage, test chamber temperature, component output voltage, output current, and other main parameters. The system can adapt to the life screening test and secondary screening test of various components in research institutes, microcircuit component manufacturers, etc. and is applicable to the test requirements of small batch and multiple varieties.

• Real time monitor electric stress, temperature stress and other information of the tested component, and automatic

- recording of process information
- The high-speed acquisition system adopts high-speed and high-precision ADC sampling
- Full experimenter human safety considerations are set

MPS2000 Product Features

Test temperature zone	1		
Test temperature	RT+10~200°C		
Burn-in test zone	16 (16/24/32 zone optional)	Sec Sec	
Burn-in board interface	High current pin hole connector or finger connector	ATIS'	
Electronic loads	Single zone12/16channel, whole machine192~512	MPS2000	
Optional primary power supply	40V/60V/100V/300V/600V		
Linear dissipative 10V plus and minus load	0.8~10VDC, 300mA~30A, 32W, constant current accuracy±(1%+50mA), can be connected in parallel		
Linear dissipative 30V plus and minus load	0.8~30VDC, 50mA~6.25A, 32W, constant current accuracy±(1%+5mA), can be connected in parallel	-	_
Linear dissipative 100V plus and minus load	±3.3~±100VDC, ±(50mA~5A), 32W, Constant current accuracy±(1%+5mA), can be connected in parallel		
Shell temperature control range and accuracy (optional)	60~125°C,±(1%+1°C)	o samas	1
Machine power supply	Three-phase AC380V±38V	• •	
Maximum power	12KW (typical)		-
Total weight	680KG (typical)		
Dimensions of machine(mm)	1400mm(W)×1400mm(D)×2000mm(H)(16zone)		



MIL-STD-883D MIL-M-28787 AEC-Q100 JESD22A-108 GB2423

Applicable components

For DC/DC power module, LDO integrated circuit, BUCK integrated circuit, DRMOS integrated circuit.



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Multi functional comprehensive burn-in test system

The system is applicable to burn-in of various medium and small power diodes, triodes, medium and small power FETs, voltage-regulator tube, various resistors, opto-coupler, 3-end voltage regulators, and F, B, TO-92, TO-126, TO-247, TO-220, TO-3P, chip and other packaging burn-in components, and is applicable to conducting steady-state screening tests for medium and small power components and intermittent life tests for high-power components.

- · Automatically identify the switching polarity according to the inserted burn-in plate
- The burn-in power supply of the equipment can be set to program control mode and manual mode
- The constant current loop can be calibrated to make the current deviation less than (0.2%+3mA)
- The transverse forced air cooling structure is adopted to take away the heat generated in the burn-in process, so that the temperature of the test chamber tends to be uniform
- 8 sets of independent fan cooling control components are provided to independently control 2 test zones
- Full experimenter human safety considerations are set

MFS2020 Product Features

Test temperature zone	2
Test temperature	RT
Burn-in test zone	16
Test capability	The detection capacity of a single boat the maximum number of the whole maximum number
Test parameter	Current detection range: 0.5mA~16.0A
	voltage detection range: 0~100.0V, dev
Constant current	Control range: 20~2000mA, control accu
	Detection range:20~2000mA (single cha 16A (In parallel), accura
Machine power supply	Three-phase AC380±38V
Maximum power	10KW (typical)
Total weight	1000KG (typical)
Dimensions of machine	1500mm(W)×1350mm(D)×1800mm(H)

Applicable standards

MIL-STD-750

Applicable components

For TO-92, TO-126, TO-247, TO-220, TO-3P, chip and other packaging diodes, triodes, medium and small power FETs, voltage-regulator tube, various resistors, opto-couplers, and 3-end voltage regulators.





16 ZONE

MFS2020







Constant current burn-in test system for zener diode

MFS2003A

16 ZONE

The system is suitable for constant current power test of various packaging zener diodes and other diodes (including F type, TO-220, TO-247, TO-254, TO-257, TO-258, TO-3P, SMD-0.5, SMD-1, SMD-2).

- Provide 12-way high-precision constant current electronic loads, which can control and protect each test component separately
- The burn-in power supply of the equipment can be set to program control mode and manual mode
- The transverse forced air cooling structure is adopted to take away the heat generated in the burn-in process, so that the temperature of the test chamber tends to be uniform
- 8 sets of independent fan cooling control components are provided to independently control 2 test zones
- Full experimenter human safety considerations are set

MFS2003A Product Features

Test temperature zone	1		
Test temperature	RT+10~200°C (operating temperature 5~35°C without oven)		
Burn-in test zone	16		
Test current	0~60A		
Test voltage	0~25V	ATIS MFS2003	۵
Current detection range	50mA~5A	B; B; / ;	
Voltage detection range	0~25V		
Current detection accuracy	±(1%+5mA)	127	
Voltage detection accuracy	±(1%+0.1V)		
Constant current electronic load detection range	50mA~5A		
Constant current electronic load accuracy	±(1%+5mA)		P • 0
Burn-in mode	constant current, intermittent		
Power supply	0~25V/60A (Optional 16 channels)		
Machine power supply	Three-phase AC380±38V		A . Dave
Maximum power	15KW (typical)		
Total weight	700KG (typical)		
Dimensions of machine	1450mm(W)×1450mm(D)×2000mm(H)		

Applicable standards

MIL-STD-750

Applicable components

For zener diodes and diodes of packaging of F type, TO-220, TO-247, TO-254, TO-257, TO-258, TO-3P, SMD-0.5, SMD-1, SMD-2 etc.



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High temperature high power burn-in test system for LED

The system is applicable to LED lamp beads in the form of plum blossom board surface mounted LED, aluminum substrate surface mounted LED, COB packaging, etc. for constant current power test, step current burn-in test, intermittent current burn-in test and pulse current burn-in test under high temperature water cooling environment.

 8-way independent control water-cooling platform is configured to independently control the temperature of the six burn-in channels, so that the temperature of the light panel is more uniform

- It is equipped with 8 test zones as standard, and can burn-in 8 light-emitting power diodes with different test requirements at the same time
- Each channel provides 60 circuits of 50~1500mA constant current electronic load
- It can monitor the burn-in current of each station and independently monitor the burn-in temperature of each lamp panel
- Full experimenter human safety considerations are set

MFS2006A Product Features

Test temperature zone	1
Test temperature	85~105°C
Burn-in test zone	8
Current control range	50~1500mA
Current control accuracy	±(0.3%+0.5mA)
Voltage control range	3~12V
Voltage control accuracy	±(1%+1LSB)
Voltage detection range	0~12V
Voltage detection accuracy	±(1%+1LSB)
Burn-in mode	Constant current, pulse, inte
Switch pulse parameters	≤333Hz, 3%~100% (Minimu 100us,rising and falling edg
Temperature uniformity	≤±5°C
Temperature detection accuracy	±(1%+2°C)
Power supply	0~12V/200A (Optional 8 ch
Machine power supply	Three-phase AC380V±38V
Maximum power	25KW (typical)
Total weight	1000KG (typical)
Dimensions of machine	1900mm(W)×1200mm(D)×2

Applicable standards

AEC-Q101 AEC-Q102 JESD22-A101 JESD22-A108

Applicable components

For LED lamp beads in the form of plum blossom board surface mounted LED, aluminum substrate surface mounted LED, COB packaging, etc.





8 ZONE

MFS2006A







High temperature static burn-in test system for microwave tubes

MFS2004

12 ZONE

The system is configured with 12 independent test zones, each of which has 4-way component burn-in stations, and the whole machine has 48 component burn-in stations. The 12 test zones can be independently or simultaneously controlled, monitored, recorded, and communicated through the upper computer. Each station can independently control the shell temperature of the tested component, and the detection accuracy is $1\% \pm 2$ °C. Real time monitoring and recording of various parameters of the component during burn-in process, and using the technologically advanced adjustable voltage stabilized high-power secondary power supply.

• Real-time monitor of the current and voltage state of the component, and automatic adjust burn-in the current of the component

- Can independently control the shell temperature of the component with an accuracy of 1%±2°C
- Can be adapted to microwave power components with different packaging and power requirements

• Full experimenter human safety considerations are set

MFS2004 Product Features

Test temperature zone	12
Test temperature	70~200°C
Burn-in test zone	12
Drain voltage control range	0.01~60V
Drain voltage control accuracy	±(1%+0.1V)
Grid voltage control range	-10~10V
Grid voltage control accuracy	±(1%+0.01V)
Leakage current detection range	0~5A
Leakage current detection accuracy	±(1%+1mA)
Grid current detection range	0~50mA
Grid detection accuracy range	±(1%+0.01mA)
Shell temperature fluctuation	±1℃
Shell temperature detection accuracy	±(1%+2°C)
Power supply	0~60V/40A (Optional 12 channels)
Machine power supply	Three-phase AC380V±38V
Maximum power	25KW (typical)
Total weight	1000KG (typical)
Dimensions of machine	1800mm(W)×1300mm(D)×2000mm(H)

ATIS MFS2004		

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Applicable standards

MIL-STD-750 MIL-M-19500

Applicable components

For GaN,GaAs and other microwave tubes.



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Automatic test system for power supply

The system can automatically export test reports, and automatically test the electrical performance indicators of power supply component facilities to meet the requirements of one-click test of electrical performance. The whole system consists of power supply, load, test and industrial control units. Meet relevant test specifications and standards, and conduct comprehensive electrical performance test on the product to verify whether the electrical performance indicators of the product meet the design indicators.

- High speed synchronous test, highly efficient data acquisition
- Flexible configuration compatible with mainstream manufacturers' instruments
- Perfect over-voltage and over-current protection functions
- Open structure software, quick editing of test items and programs
- · Perfect tooling motherboard design, only need to replace the tooling sub-board for different types of tested power supply
- Full experimenter human safety considerations are set

SPATS-D4000 Product Features

Input voltage	Specific accuracy depen
Input current	General test accuracy: 0
Output voltage Output current	Specific accuracy depen General test accuracy: 0
Efficiency	Specific accuracy depen and general test accura
Voltage adjustment Load regulation	Specific accuracy depen and general test accurac
Peak value of output ripple voltage Effective value of output ripple voltage	Specific accuracy depen configurations and band
Output response under 50% load transient Recovery time of 50% step load	Optional storage wavefo
Startup rise time, startup over-charging	Optional storage wavefo
Machine power supply	Three-phase AC380V±3
Maximum power	12KW (typical)
Total weight	500KG (typical)
Dimensions of machine	1200mm(W) ×850mm(E

Applicable standards

SJ20646-97 (Test methods for hybrid integrated circuit DC/DC converters) etc

Applicable components

For single, multiple output DC/DC and AC/DC power modules with large, medium and small power and single and multiple output.



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SPATS series

SPATS-D4000



nds on different configurations

0.1% × RD+0.05%×RG

ends on different configurations, 0.05% × RD+0.05×RG

nds on different configurations, acy: 0.5% nds on different configurations, acy: 0.05%

nds on different ndwidth limits

form

form

-38V





