

High Temperature Chamber



(Picture just for reference)

1. Introduction:

The high temperature environmental test chamber is a kind of high temperature to low temperature large range environmental test equipment specially designed and manufactured after the company's many years of actual production experience and combined with customer opinions. environmental testing.

3. System composition

The electric furnace system consists of: environmental box, temperature measurement and control display system, heating system, refrigeration system, temperature measurement components, air supply circulation system, two-stage refrigeration unit, etc.

4. Structural principle and characteristics

4.1 The chamber body

4.1.1 The chamber body adopts a large front door structure and has an observation window. The observation window is inlaid with a heating plate, which can prevent the observation window from frosting and affect the observation (Note: The size of the observation window can be designed according to customer needs)
The interior of the box body is made of high-quality stainless steel Material, the outside of the box is sprayed with iron plate plastic. The inner cavity and outer wall are insulated with ceramic fiber material

4.1.2 The holes are opened in the front middle of the upper and lower walls of the furnace body for pushing the box back and forth and entering the fixture connecting parts during the high and low temperature test.

4.1.3 In the low temperature test, in order to ensure that the cold air can be fully circulated, the air duct is designed as two upper and lower air ducts, the upper air duct is the air outlet, and the lower air duct is the air suction port. , cycle in turn to reach the required test temperature.

4.1.4 High-quality sealing material and sealing structure are used between the door and the door frame, with good sealing and anti-aging properties

4.1.5 The internal mechanism of the box is specially designed, and the internal design adopts the design method of the front cavity and the rear cavity. The front cavity is mainly used for the heating of the front cavity, and has an independent high temperature resistant long- axis motor circulation system (no water cooling jacket structure), which can meet the Uniformity of temperature in high temperature environment. The rear cavity is designed as a closed box structure, and the refrigeration system is mainly installed, with an independent air circulation system.

4.2 Movable stand cart

The support car adopts a frame structure, and the track adopts a linear guide rail structure, which can ensure that the box body is pushed smoothly. The front track of the support car extends into the tensile space of the testing machine, and the furnace body is placed on the track of the support car. When the high-temperature furnace

system is not used for a long time, the whole carriage can also be moved to any place

The bottom of the carriage is equipped with casters, which are light and fast to move.

4.3 The temperature measuring element

adopts PT100 thermal resistance, industrial grade 1.

4.4 Testing machine fixture and connecting accessories

The high temperature fixture is customized according to requirements of customers

4.5 Temperature measurement and control system

The temperature control system adopts Xiamen Yudian temperature control meter808A, instrument accuracy (0.1 level), can be equipped with 485 communication module (can communicate with the host computer software), PID adjustment.

4.6 Safety protection system

Leakage protection, over current protection, fast fuse.

5. Specifications

MODEL	KASON-450G
Power supply	AC 380V/ 50Hz
Rated current	20A
Starting current	15A
Control Method	PID control method
Temperature range	RT~+450℃
High temperature error	<2℃
Temperature rate	3-5 ℃/min
Shell material	Cold-rolled steel plate spraying treatment
Endosomal material	Stainless steel plate
Thermal insulation material	Ceramic fiber material
Temperature measuring element	PT100
Control box	Fully automatic digital display thermostat, power cord,
Internal dimensions(D×W×H) mm	400×400×400mm (about) can design
External dimensions(L×W×H) mm	1000×560×560 mm (about) can design

6. Configuration

Name	Qty
High temperature body(RT~+450℃)	1
Temperature control system	1
Temperature Sensor	1
Heating system	1
Viewing window (With lighting)	1
Air supply circulation system	1
Travelling car	1



Authentication Certificate of Quality Management System

Registration No.19922Q01072R0S

This is to certify that

Jinan Kason Testing Equipment Co., Ltd.

Unified Social Credit Code: 9137010458994939X0

Registered/Production Address: No. 4715, Jingshi West Road,
Huaiyin District, Jinan City, Shandong Province

Office Address: Room 2-1108, Harmony Square, Huaiyin District, Jinan City

Is in conformity with :

GB/T 19001-2016/ISO 9001:2015

The certificate is valid for the following scope :

Assembly and sales of testing machines

This certificate should be used effectively with the legal requirements of the administrative license, qualification license, compulsory certification, which the certification scope involved.

In the case that the organization regularly receives surveillance assessments, the certificate shall be valid when used together with the Quick Response Code.

Date of Issue: 2022-07-19

Date of Expiry: 2025-07-18

Date of Initial Certification: 2022-07-19

General Manager



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Note: The detailed information is available on the Certification and Accreditation Administration of the People's Republic of China official website (www.cnca.gov.cn) the authority's website(www.cshcc.cn) and the Quick Response Code on the left.



MACHINERY DIRECTIVE ATTESTATION OF CONFORMITY

Technical file of the company mentioned below has been inspected and audit has been completed successfully.

2006/42/EC Machinery Directive Annex VIII has been taken as references for these processes.

Company Name : **Jinan Kason Testing Equipment Co., Ltd.**
 Company Address : No.4715, Jingshi West Road, Huaiyin District, Jinan, Shandong, China
 Related Directives and Annex : **2006/42/EC Machinery Directive/Annex VIII**
 Related Standards : **EN ISO 12100:2010; EN 60204-1:2018**
 Product Name : **Testing Machine**
 Report No and Date : **TCF-JKTE230605-MD**
 Product Brand/Model/Type : WDS-1, WDS-2, WDS-3, WDS-5, WDS-10, WDS-20, WDS-30, WDS-50, WDS-100, WDS-200, WDS-300, WDW-1E, WDW-2E, WDW-3E, WDW-5E, WDW-10E, WDW-20E, WDW-30E, WDW-50E, WDW-100E, WDW-200E, WDW-300E, WDW-500E, WDW-600E, WDW-1000E, ETM103, ETM203, ETM303, ETM503, ETM104, ETM204, ETM304, ETM504, ETM105, WE-300D, WE-600D, WE-1000D, WE-2000D, HUT305S, HUT605S, HUT105S, HUT126S, WEW-300D, WEW-600D, WEW-1000D, WEW-1200D, WEW-2000D, WEW-3000D, HUT305E, HUT605E, HUT105E, HUT126E, HUT-A306E, HUT-A206E, WAW-300D, WAW-600D, WAW-1000D, WAW-1200E, WAW-2000E, WAW-3000, WAW-2000A, WAW-3000A, WAW-4000A, HUT-A206W, HUT-A306W, HUT-A406W, HUT305W, HUT605W, HUT105W, HUT126W, WAL, LAW, HUT-L, JB-300, JB-300B, JB-500B, JBS-300, JBS-500, JBW-300, JBW-500, JBDW-300, JBDW-500, CST-50, VU-2Y, VU-1S, DWC-40, DWC-60, DWC-80, DWC-100, DWC-196, YES-1000, YES-2000, YES-3000, YAW-1000, YAW-300, YAW-2000, YAW-3000, YAW-5000, NDS-200, NDS-500, NDS-1000, NDS-2000, NDW-200, NDW-500, NDW-1000, NDW-2000, NDW-3000, NDW-5000, NDW-10000, EZ-1, EZ-3, EZ-10, JWJ-10, TLS, TLW, HWS, PLS-20, PLS-50, PLS-100, PLS-300, PLS-500, PLS-1000, KASON-1, RDJ-10, RDJ-20, RDJ-50, RDJ-100, DWTT-20000, DWTT-30000, DWTT-40000, DWTT-50000, DWTT-80000, DWTT-100000, PIT-302, PIT-302M, PIT-502, PIT-502M, PIT-302T, PIT-502T, PIT-302W, PIT-302TW, PIT-502TW, PIT302CW, PIT452CW, PIT602CW, PIT752CW, PIT302CT, PIT452CT, PIT602CT, PIT752CT, PFD302W, PFD502W, PFD302T, PFD502T, PFD302CW, PFD452CW, PFD452CT, PFD752CW, PFD752CT, PFD302G, HCT106, HCT206, HCT306, KSCM, HYJ, HEZ-3, HEZ-5, HEZ-10, HEZ-20, KSBT-10, KASON 370.02, KASON 370.05, KASON 370.10, KASON 370.25, KASON 370.50, MMW, GBW-60B, GBS-60B, HUT, ETM, XNR, GW-40, GW-50, MRS, MMU, MRH, GBW, GW, LSW, HBT, GLY, GCJ-1000, GWQ-1000, GZQ-1000, GQR-1000, GJR-300, GSS-1000, GMS-100, GTW-500, GQC-5, GGG-100, HR-150A, HRD-150, HRS-150, XHR, HB, HVS, HV, HBRV, W-20, HBA-1, LHT, Q-2A, MP-2, XQ-2B, XD-30M, 4XCE, 4XB, JSZ, MOPAO, MPT, P, MP, BG, LBG-32, MPJ-35, Q-Z, Q-100B, SQ, Q-3A, QG-4, LSQ, LDQ, GTQ-5000A, GTQ-5000B, DTQ, ZXQ, 4XC, HST, KASON, KS, KSCUT, HTR, HTPR, HTB, HSTR-45S, HTV, HTMV, HTBRV, METRPRESS, MPJ

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