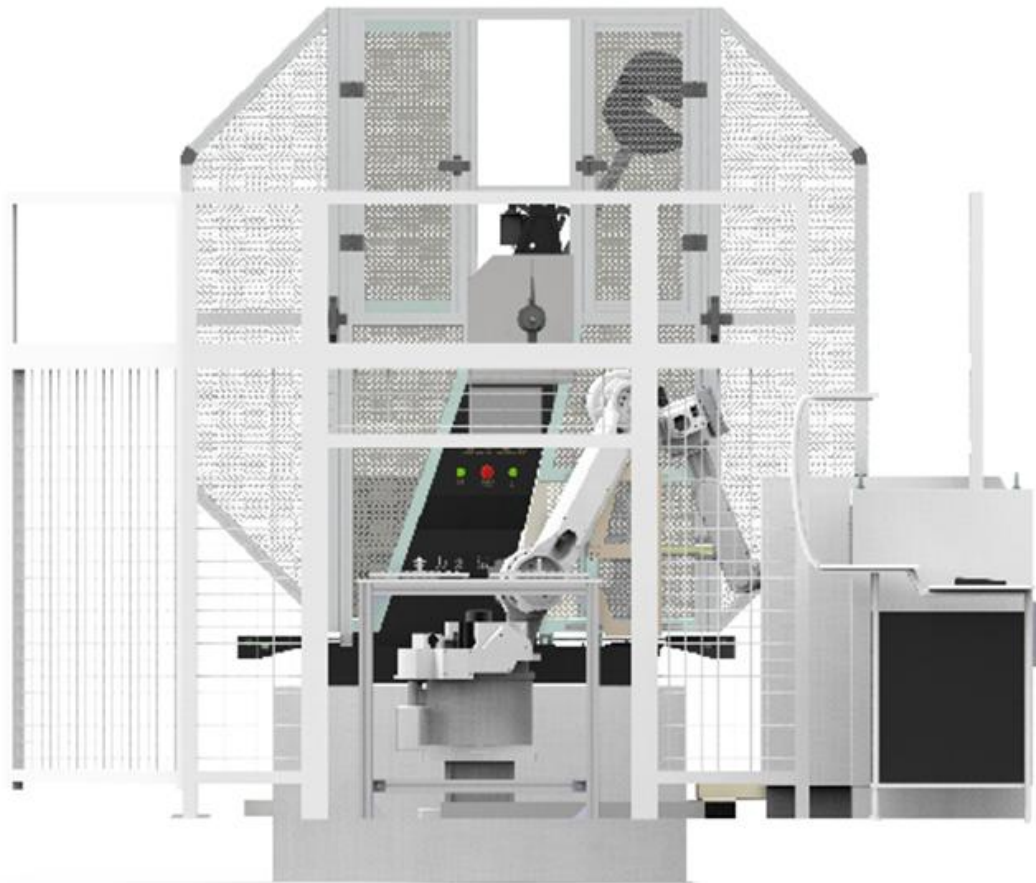


Robotic automatically Pendulum Impact Testing Machine



(Picture just for reference)

1.Summary

The fully automatic metal pendulum impact tester fully automates the entire process, from sample loading and holding in the cryogenic chamber, automatic notch alignment, sample delivery, impact, sample unloading, and test data upload. From the operator placing the test specimens of various specifications on the specimen rack, until the test data is transmitted to the host computer, the entire testing process (including pendulum removal, specimen removal from the specimen rack, setting the cryogenic temperature, holding time, specimen notch alignment, specimen placement, impact, test result evaluation, test result transmission, and waste sample collection) is fully automated and unmanned. Without requiring any operator adjustments or settings, the system can continuously test specimens of various thicknesses

and specifications under varying cryogenic conditions. The overall safety of the equipment is enhanced by an automatic alarm function for abnormal conditions.

2.Parameters:

No	Product Name	Technical Specifications
1	Metal pendulum impact testing machine host	<p>Maximum impact energy: 600J</p> <p>Impact velocity: 5.24 m/s</p> <p>Pendulum elevation angle: 30-150° continuously adjustable</p> <p>Minimum angle resolution: 0.025°</p> <p>Height from the center of the pendulum shaft to the specimen : 750mm</p> <p>Impact blade: Arc radius 2 or 8mm; Angle 30° ; Thickness 16mm</p> <p>Maximum impact load: 40kN</p> <p>Impact force sensor measurement accuracy: ±1% (10% to 100% FS full scale)</p> <p>Impact blade: Arc radius 2 or 8mm; Angle 30° ; Thickness 16mm</p>
2	Operating software, testing software	<p>The control software package under the Windows interface (including the host computer communication software package) has functions including impact, setting test methods, test result analysis, automatic data transmission, sample sorting and test priority, image analysis software module, etc., recording test date and time , and a fully Chinese user-friendly interface.</p> <p>The test program can be installed on other offline computers so that the test data can be analyzed and viewed on other computers.</p>
3	cryogenic chamber	<p>Insulation temperature: 0~ -80 °C</p> <p>Temperature fluctuation: ±0.5°C</p> <p>Temperature uniformity: ± 1 °C</p> <p>Number of insulation samples: 9 0</p>
4	ABB automatic robot	<p>Load: 7kg</p> <p>Maximum working radius: 700mm</p> <p>Repeat positioning accuracy: 0.02mm</p>
5	Visual recognition system (Automatic centering)	Notch centering accuracy: ±0.1mm
6	Sample plate	Number of sample trays: 3, each can hold 30 samples, a total of 90
7	Sample specifications	55×10×10; 55×10×7.5; 55×10×5;
8	control system	Fully automatic control system: temperature control system, fully automatic joint robot system, automatic impact system, etc.
9	Test data receiving and	It can receive the test information of relevant samples from the host

	transmission system	computer according to the communication protocol and make settings accordingly; after the test is completed, it can automatically upload the test data according to the settings to realize data communication with the host computer (L1-L2).
1 0	Safety cover	Equipped with a safety shield, the pendulum impact test is only conducted in the enclosed space inside the shield. During the test, the broken specimens will not fly out to ensure safety.



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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China Standard Huaxin (Beijing)

Certification Center Co., Ltd.



Address of Certification Authority: 5 Floor, YuQuan Building, No.3 Shijingshan Road, Shijingshan District, Beijing Tel: 010-88255986 P.C.: 100049

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, TIS, TLW, HWS, PLS-20, PLS-50, PLS-100, PLS-300, PLS-500, PLS-1000, KASON-1, RDJ-10, RDJ-20, RDJ-50, RDJ-100, DWIT- 20000, DWIT-30000, DWIT-40000, DWIT-50000, DWIT-80000, DWIT- 100000, PIT-302, PIT-302M, PIT-502, PIT-502M, PIT-302T, PIT-502T, PIT-302W, PIT-302TW, PIT-502W, PIT-502TW, PIT302CW, PIT452CW, PIT602CW, PIT752CW, PIT302CT, PIT452CT, PIT752CT, PTD302W, PTD502W, PTD302T, PTD502T, PTD302CW, PTD302CT, PTD452CW, PTD452CT, PTD752CW, PTD752CT, PTD302G, HCT106, HCT206, HCT306, KSCDM, 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, GNZ-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-455, HTV, HTMV, HTBRV, METRPRESS, MPJ

Certificate Number : **M.2023.206.C86313**
 Initial Assessment Date : 07.06.2023
 Registration Date : 08.06.2023
 Reissue Date/No : -
 Expiry Date : **07.06.2028**


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