KASON HYJ-605W Computer Control Manhole Cover Compression Testing

(Picture just for reference)

Application

1. Utilizing a microcomputer-based electro-hydraulic servo controller, the system automatically loads and drives the hydraulic cylinder, while an oil pressure sensor detects the test force of the test specimen. This system offers stable and reliable performance, with accurate data detection.

2. This testing machine is suitable for testing specimens with a load-bearing capacity greater than 20 kN and less than 600kN.

3. It complies with the national standards GT/T2611 "General Technical Requirements for Testing Machines" and the national metrological verification regulations JIG139 "Tension, Compression, and Energy Testing Machines."

4. This testing machine is suitable for compression and flexural strength testing of manhole covers, meeting relevant professional standards such as CJ/T3012-1993 "Cast Iron Manhole Covers," CJ/T121-2000 "Recycled Resin Composite Material Manhole Covers," and JC889-2001 "Steel Fiber Concrete Manhole Covers."

Features:

1. The main unit utilizes a high-rigidity structure to ensure safety during testing.

2. The loading cylinder is positioned upward for easy access to the manhole cover specimen.

3. A ball-jointed connection is used between the rigid pad and the piston push-out end, ensuring full contact between the manhole cover and the reaction plate, guaranteeing the accuracy of the measured load capacity.

4. Special seals are used between the cylinder and piston, achieving high sealing, low friction, and long life.

5. A professional testing machine oil pump motor unit is used for low noise and long life.

6. An ultra-precision oil filter ensures cleanliness within the oil system, ensuring the long-term operation of the control actuators.

7. Computer-controlled, with real-time display of current force values, peak values, and test progress information.

8. Real-time recording of test curves and high-speed sampling during the test process.

9. Data and report processing capabilities provide users with a dedicated report editing tool for graphical layout. Flexible and easy-to-learn, it allows for convenient printing of test curves and values. 10. Control modes include constant stress, constant force, and force hold. Test force, peak value, piston displacement, and test curves are displayed on screen. Test curves include force-time, force-deflection, and deformation-time curves, and control mode transitions are smooth.

11. Automatic closed-loop control, including cyclic loading, loading speed, and loading waveform, can be programmed on-site according to experimental needs (since the standard specifies a cyclic waveform loading process). In short, each step in the national standard can be programmed, making the entire process fully automated without human intervention. See the illustration for details.

12. The software features an automatic force reset system, eliminating factors such as human error in meter reading.

13. Overload protection automatically unloads or stops the test when the force or displacement exceeds the rated theoretical value of the testing machine.

14. Automatically collects and prints reports on failure load and deformation values.

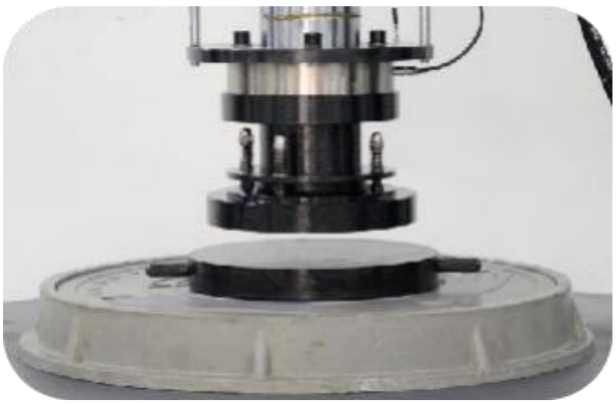
Specifications

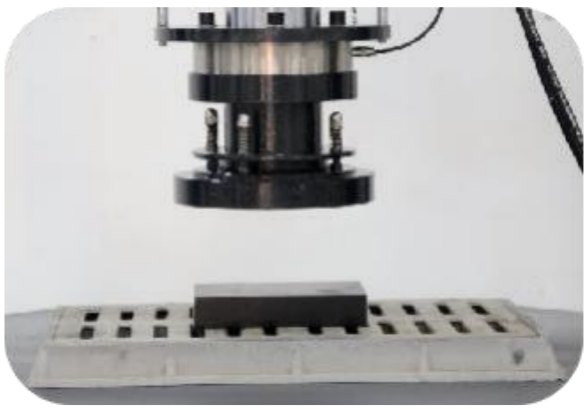
1. Maximum test force: 600 kN

2. Effective test space: 1200 mm x 1200 mm (customizable upon request)
3. Workbench height: 200 mm
4. Force accuracy: ≤ ±1° (better than Class 1)
5. Loading speed adjustment range: 0.1-25 kN/s
6. Deformation measurement range: 0-20 mm
7. Deformation measurement accuracy: 0.01 mm acquired by computer
8. Piston stroke: 300 mm
9. Overload protection: Automatic unloading at 3% of full scale
10. Load indication accuracy: 0.1 kN
11. Loading method: Electric-hydraulic
12. Load control: Computer-controlled and manual stepless speed regulation, with automatic programming function.
13. Loading medium: 68# anti-wear hydraulic oil
14. Motor power: 1.5 kN
15. Required voltage: 380 v/220 v
16. Main unit weight: Approximately 1800 kg

Standard Accessories

NO	Description	Quantity
1.	Main machine with loading unit and control panel including Interface	1 set
2.	Hydraulic cylinder	1 set
3.	Gimbal compression ball head mechanism (piston and head connection)	1 set
4.	High precision load sensor	1 set
5.	Measuring software	1 set
6.	Hydraulic control system	1 set
7.	Branded PC	1 set
8.	with A4 size laser Jet Printer	1 set





Why choose us!

19 YEARS

Professional focused on testing equipment

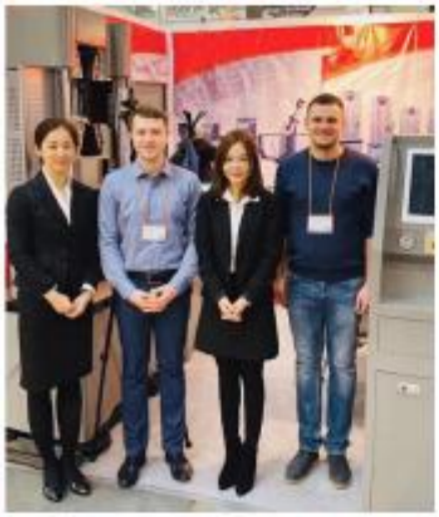
KASON is established in 2003,owns more than 8000 square meters factory.has a professional sales teams, modem enter prise technology center,scientific and technological research and development team.

Machines passed the European CE authentication,American FDA certificate and and ISO 9001.

Products sold to USA, Canada, Australia, Europe, Africa etc,more than 130 countries and supply OEM service for many customers

PROFESSIONAL TEAM

KASON has a professional sales teams, modem enter prise technology center,scientific and technological research and development team.



OUR CUSTOMERS (more than 130 countries)



OUR CERTIFICATE (CE / ISO / SGS)

UDEM

MACHINERY DIRECTIVE ATIESTATION 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, DWTF- 20000, DWTF-30000, DWTF-40000, DWTF-50000, DWTF-80000, DWTF- 100000, PIT-302, PIT-302M, PIT-502, PIT-502M, PIT-302T, PIT-502T, PIT-302W, PIT-302TW, PIT-502W, PIT-502TW, PIT302CW, PIT452CW, PITd602CW, PIT752CW, PIT302CT, PIT452CT, PITd602CT, PIT752CT, PITD302W, PITD502W, PITD302T, PITD502T, PITD302CW, PITD302CT, PITD452CW, PITD452CT, PITD752CW, PITD752CT, PITD302G, HCT106, HCT206, HCT306, KSCTM, 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, GJBS-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, XHB, 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
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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The validity of the certificate can be checked through www.udem.com.tr. Upon completion of EC declaration of conformity,it is used solely at the manufacturer's responsibility. This certificate remains the property of UDEM International Certification Auditing Training Centre Industry and Trade Inc. Co. to whom it must be returned upon request. The above named firm must keep a copy of this certificate for 15 years from the registration of certificate. This certificate only covers the product(s) stated above and UDEM must be noticed in case of any changes on the product(s)

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CSHCC
中标华信(北京)认证中心
CSHCC.CN

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

MEMBER OF MULTILATERAL RECOGNITION ARRANGEMENT IAF

CNAS 中国认可 国际互认 管理体系 MANAGEMENT SYSTEM CNAS C182-M

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 offical website (www.cnca.gov.cn) the authority's website(www.cshcc.cn) and the Quick Response Code on the left.

KASON reserves the right to modify the technical and stetics characteristics included in this document, without previous notice

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