

**HST YAW-300C Cement
Compression & Flexural Testing Machine**



Over 20 years of consistent excellence

1. Application

The testing machine tests the mechanical properties of cement, mortar, brick, concrete and other building materials with servo motor acceleration and deceleration control technology, showing the load value, loading speed and loading curve. The test data is automatically processed, stored, and printed.

2. Standards:

- ISO 679, DIN 1164: Cement -- Test methods -- Determination of strength;
- ASTM C348: Standard Test Method for Flexural Strength of Hydraulic Cement Mortars;
- ASTM C349: Standard Test Method for Compressive Strength of Hydraulic-Cement Mortars (Using Portions of Prisms Broken in Flexure);
- ASTM C109 / C109M: Standard Test Method for Compressive Strength of Hydraulic Cement Mortars;
- BS EN 196-1: Methods of testing cement. Determination of strength;
- ASTM C880 / C880M: Standard Test Method for Flexural Strength of Dimension Stone;
- ASTM C170 / C170M: Standard Test Method for Compressive Strength of Dimension Stone;
- EN12390-5 BS 1881:118, ASTM C78, C293, ASHTO T97: Testing hardened concrete. Flexural strength of test specimens.

3. Main Technical Parameters

MODEL	HST YAW-300C
Control and deal mode	Computer constant control and auto dealing
Test space adjustment method	Block adjustment test space
Maximum compression force	300kN
Maximum flexural force	10KN
Test Accuracy	Class 1
Load test Range	4%-100% of FS
Displacement indicate error	±1%
Compression space	200mm
Upper and low Compression platens	Φ160mm
Max.Piston Stroke	100mm
Piston Diameter	Φ125 (compression) / Φ60(bending)
Loading speed	0-10KN/S (compression) ,0-0.75KN/S(bending)
Power	AC380V/60 Hz,0.75KW

4. Features:

- Computer automatically control the loading progress
- High precision digital servo valve with closed-loop control function
- Can realize the load rate, such as load or stress rate loading

5. Configuration:

- High strength main unit- 1 set
- Compression grip--1 set
- Bending grip--1 set
- Oil source control system-- 1 set
- High property low noise plunger pump-- 1 set
- Three-phase asynchronous motor- 1set
- High precision electro-hydraulic proportional servo valve and valve block group- 1set
- Precision oil filter- 1pc
- Test and control system--- 1set
- High precision pressure sensor-1pc
- Computer- 1 set
- Printer- 1 pc;

Industrial computer



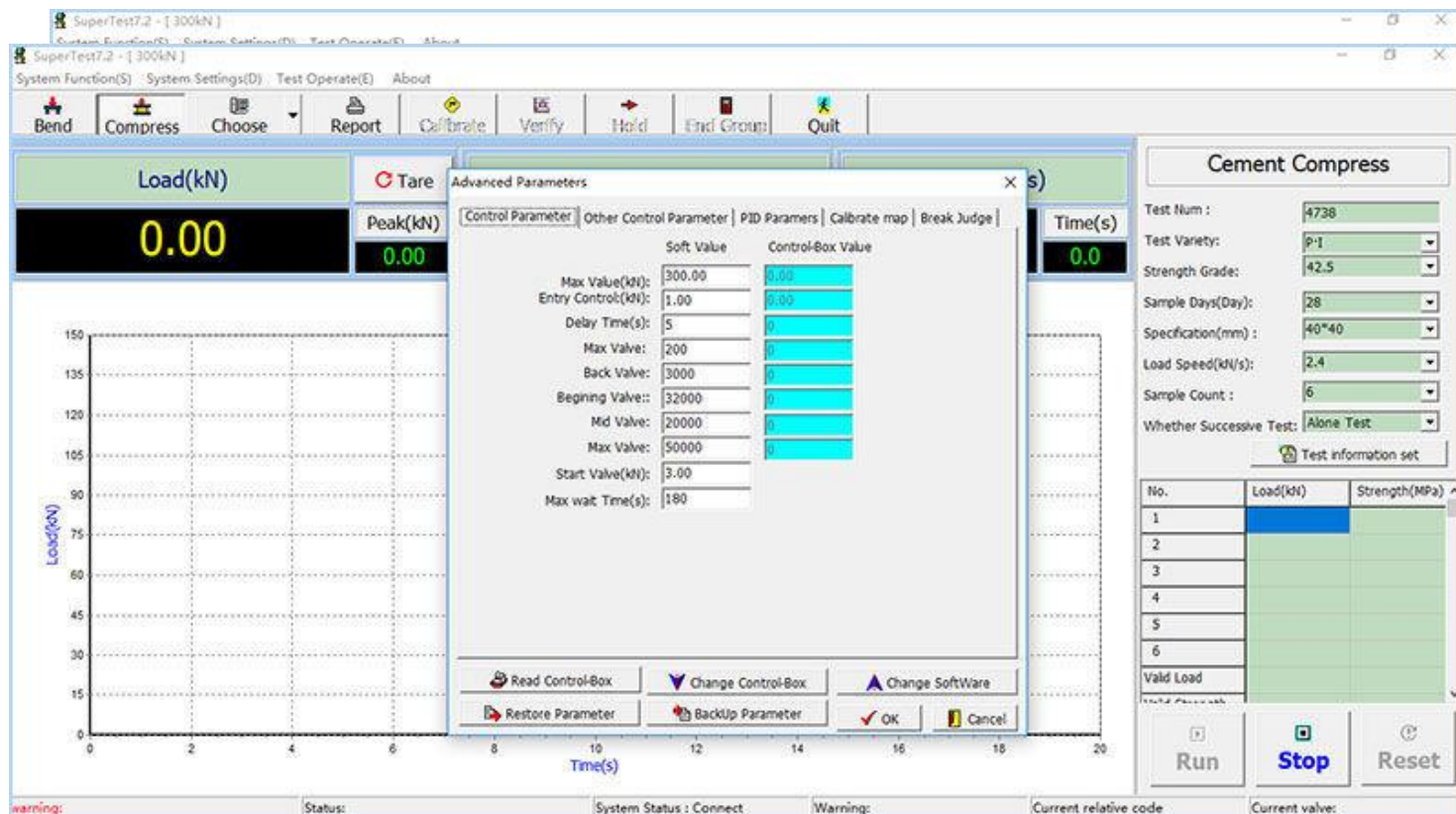
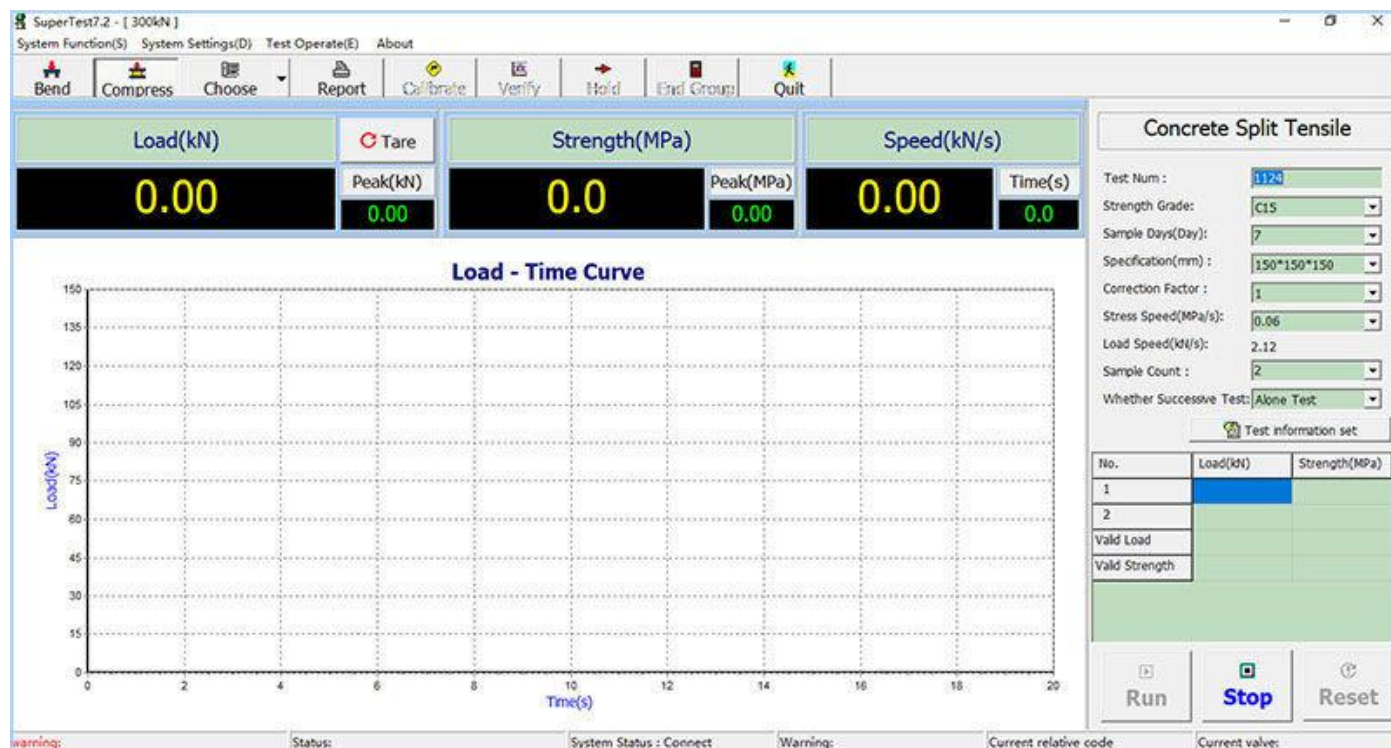
Bending grip



**40*40mm
Compression grip**



6. Software









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 HENSGRAND INSTRUMENT CO., LTD.**

Company Address : NO.4915, WEST JINGSHI ROAD, JINAN, 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-JHIC230128-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, WDS-500, WDW-1, WDW-2, WDW-3, WDW-5, WDW-10, WDW-20, WDW-30, WDW-50, WDW-100, WDW-200, WDW-300, WDW-500, WDW-600, WDW-1000, WE-300, WE-600, WE-1000, WE-2000, WEW-300, WEW-600, WEW-1000, WEW-2000, WAW-300, WAW-600, WAW-1000, WAW-2000, WAW-3000, WAW-5000, WAW-6000, LAW-1000, JB-300B, JBS-300, JBW-300, JB-500B, JBS-500, JBW-500, JBW-750, CST-50, VU-2Y, VU-1S, DWC-40, DWC-60, DWC-80, DWC-100, DWC-196, YES-2000, YES-300, 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, HEZ-3, HEZ-6, HEZ-10, JWJ-10, TLS, TLW, HST-P50, HST-P100, HST-P200, HST-P300, RDJ, NDT, DWTT, GBW-60, GW-50, HST, XNR-400

Certificate Number : **M.2023.206.C81366**

Initial Assessment Date : 31.01.2023

Registration Date : 01.02.2023

Reissue Date/No : -

Expiry Date : **31.01.2028**


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