

HST-YAW2000BG Computer Control Compression Testing Machine



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. This series compression testing machine is mainly

designed for compression test of building material items, such as concrete cube, concrete blocks, cement specimen, and bricks etc, also used for compression performance test of rubber pad and top forge test of metal. With new design idea and advanced technology, this series have more advantages in appearance, operation & applications. It is the ideal test equipment for quality control at industry & mineral enterprises, education in high schools, and technology researches at scientific institutes.

2. Standards:

It is conformed to EN 12390-3, 12390-4; BS 1881, ASTM E4, ASTM C139, ISO7500-1, EN10002-2, BS 1610, DIN51220, C1231 –AASHTO T22 -NF P18-411 -UNE 83304, 7242 etc.

3. Applicable Specimen size:

- Extensive ranges for Cubic sample: 100mm, 150mm, 200mm and more;
- Rectangular sample: 400x200x200mm, 400x200x400mm etc;
- Cylindrical sample dia.150x300mm, dia.100x200mm, dia. 200x400mm or others as per customer required.
- Remark: test space can be customized according to specified specimen size.

4. Main Technical Parameters

Model	HST-YAW2000BG	HST-YAW3000BG
Max. Load	2000kN	3000kN
Test space adjustment mode	Electric ball screw adjust	
Control method	Computer auto control loading process	
Test class	1 class	
Load measuring range	4-100% of F.S	
Resolution of test power	1/300000 F.S	
Load accuracy	±1.0%	
Displacement measurement	0.01mm	

Displacement measurement accuracy	$\leq \pm 0.5\%$	
Upper and low compression platen	$\Phi 300\text{mm}$	$\Phi 300\text{mm}$
Compression test space	360mm	400mm
Piston stroke	200mm	200mm
Mainframe dimensions	640mm×560mm×1500	720mm×720mm×
Dimensions of control cabinet	700mm×540mm×1500	700mm×540mm×1500
Weight	About 1600KG	About 2700KG
The total power of the power supply	0.75KW, AC 380V±10%	

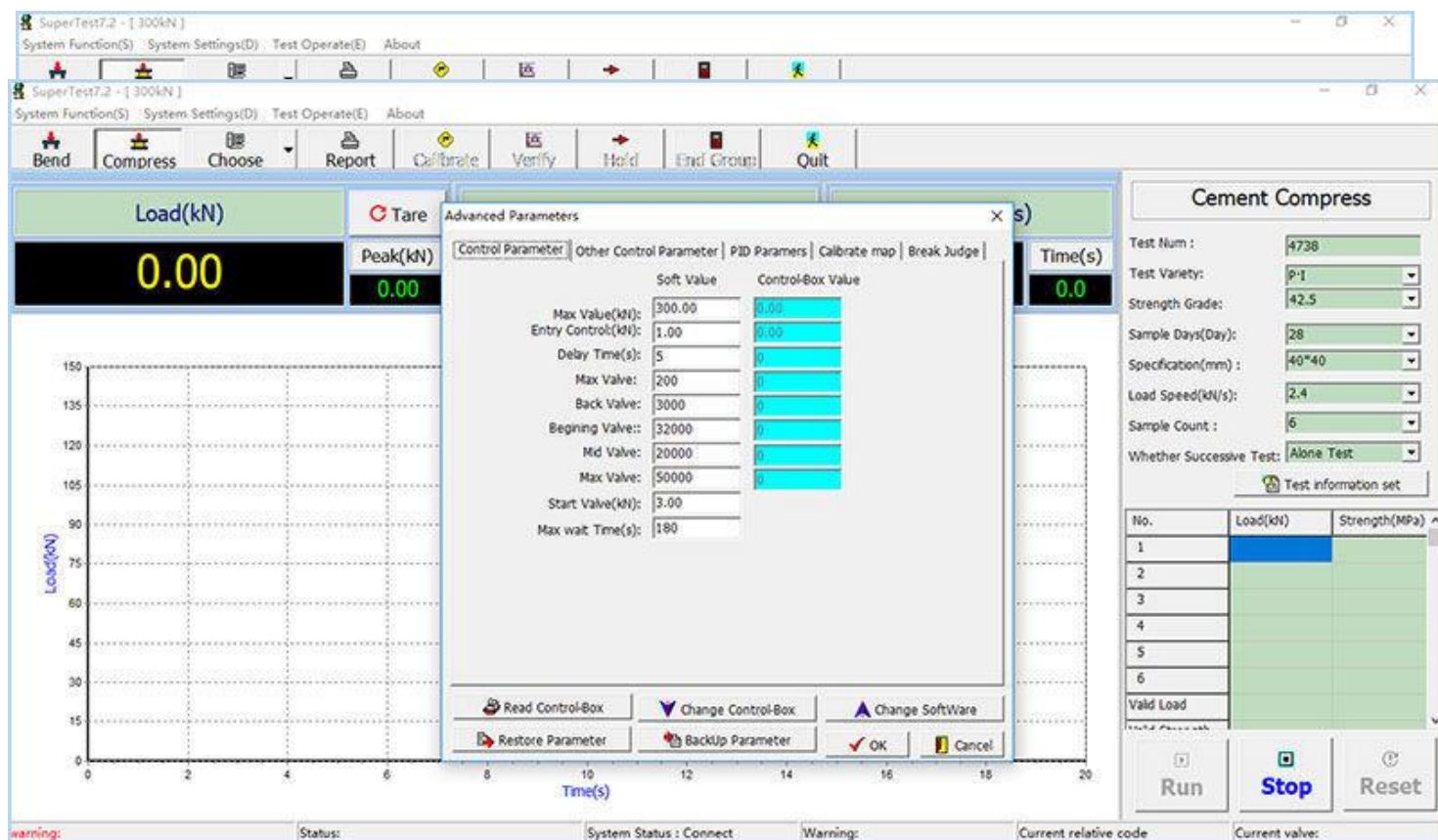
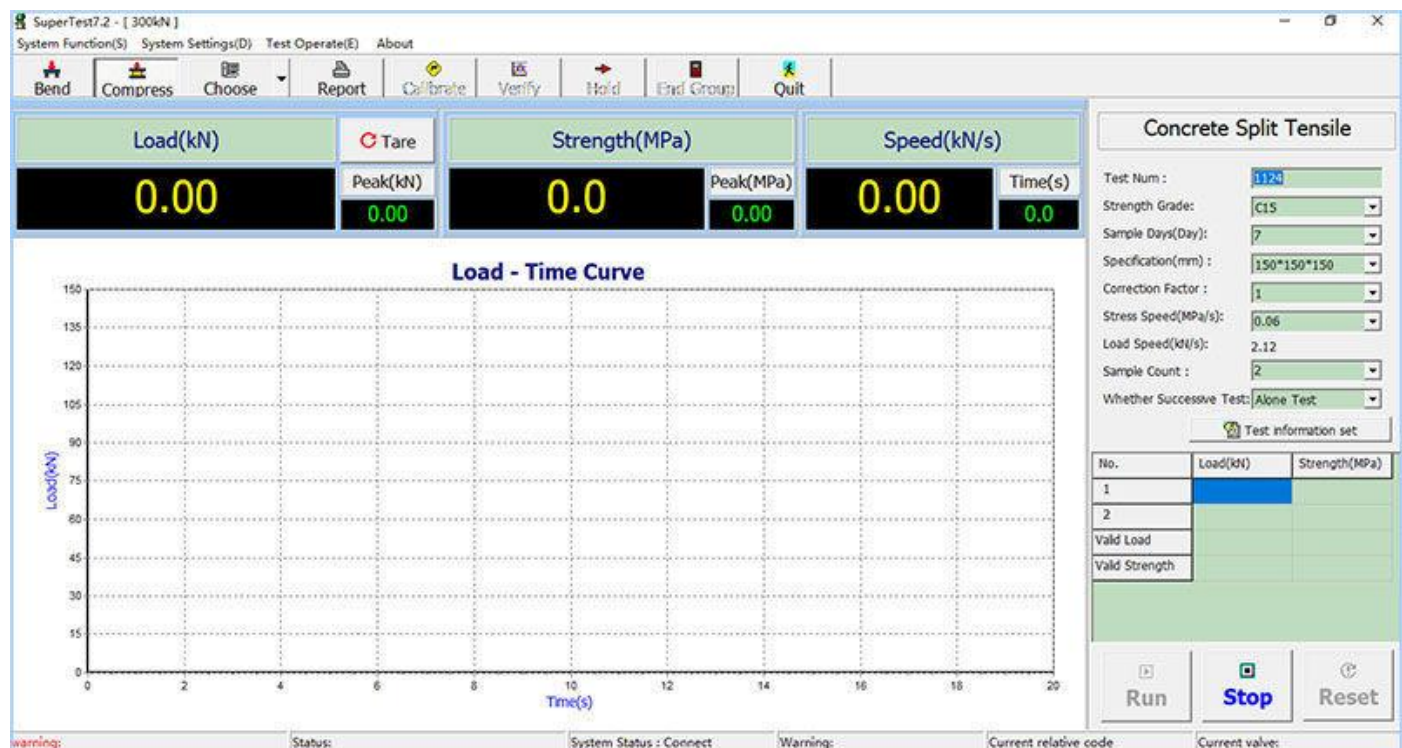
5. Features:

- 5.1 High strength main unit- 1 set
- 5.2 one-piece Oil source control cabinet-1 set
- 5.3 High precision pressure sensor-1pc
- 5.4 computer- 1 set
- 5.5 HPA4 printer- 1 pc;
- 5.6 Compression grip-- 1 set
- 5.7 High performance low noise plunger pump- 1set
- 5.8 Three-phase asynchronous motor- 1set
- 5.9 High precision electro-hydraulic proportional servo valve and valve block group- 1set
- 5.10 Precision oil filter- 1pc
- 5.11 Jean type oil source control cabinet shell- 1set
- 5.12 Test and control system- 1set;
- 5.13 Test special software under WINDOWS - 1set

SIEMENS



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**
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Address: Mutlukent Mahallesi 2073 Sokak (Eski 93 Sokak) No:10 Çankaya - Ankara - TURKEY

Phone: +90 0312 443 03 90 **Fax:** +90 0312 443 03 76

E-mail: info@udem.com.tr www.udem.com.tr



