



HDW series Computer control universal Testing machine specification

One.Specification Data

Name	Computer control universal Testing machine specification					
Model	HDW-5	HDW-10	HDW-20	HDW-50	HDW-100	HDW-300
Structure	2 columns					
Max. Load (KN)	5	10	20	50	100	300
Load Range	2%~100% full Scale or 0.4%-100% Full Scale					
Load Accuracy	±1% or ±0.5%					
Resolution of load	1/300000 of full scale					
Measuring Range Of Deformation	2%~100%					
Resolution of Displacement	0.001mm					
Accuracy measure Of Deformation	±1% or ±0.5%					
Control Speed	0.1-500(mm/min)				0.1-200(mm/min)	
Relative Error of Speed:	≤±1%					
Tensile Test Space	650mm					
Compression Test Space	650mm					
Load Cell Configuration	One(Max Load), more load cells can be added according to customer requirement.					
Extend Configuration	Large deformation extensometer, high or low temperature test chamber, high temperature oven.					
Protection function	The test machine has the function of overload and limit protection					
Test machine size (mm)	730*360*1750			740*500*1820	800*480*1870	1130×650×2650
Power Supply	AC110V / 220V / 380V±10%, 50Hz-60Hz					
Weight (KG)	300			350	400	1500

Two.Product Description



HDW series computer electronic universal testing machines are designed and manufactured according to ASTM, ISO, DIN, GB and other international standards.

Applicable for wide range of material for tension, compression, bending, shearing and low cycle test. Suitable for Rubber, plastics, textile fabrics, waterproof materials, wire and cable, wire mesh, metal wire, metal rods, metal plate, metal, plastics, footwear, leather, textile, insulators, wire terminals components and other kinds of metal and non metal and composite material mechanics performance test. It is widely used in the corresponding industries, research and development, test institutes and training centers etc. Such as stretching, compression, bending, cutting, tearing, stripping, etc. The machine has the test force number



display, the test speed is continuously adjustable, the test sample pull the automatic stop, the peak maintain and so on function, the test result completely accords with the national relevant standard request.

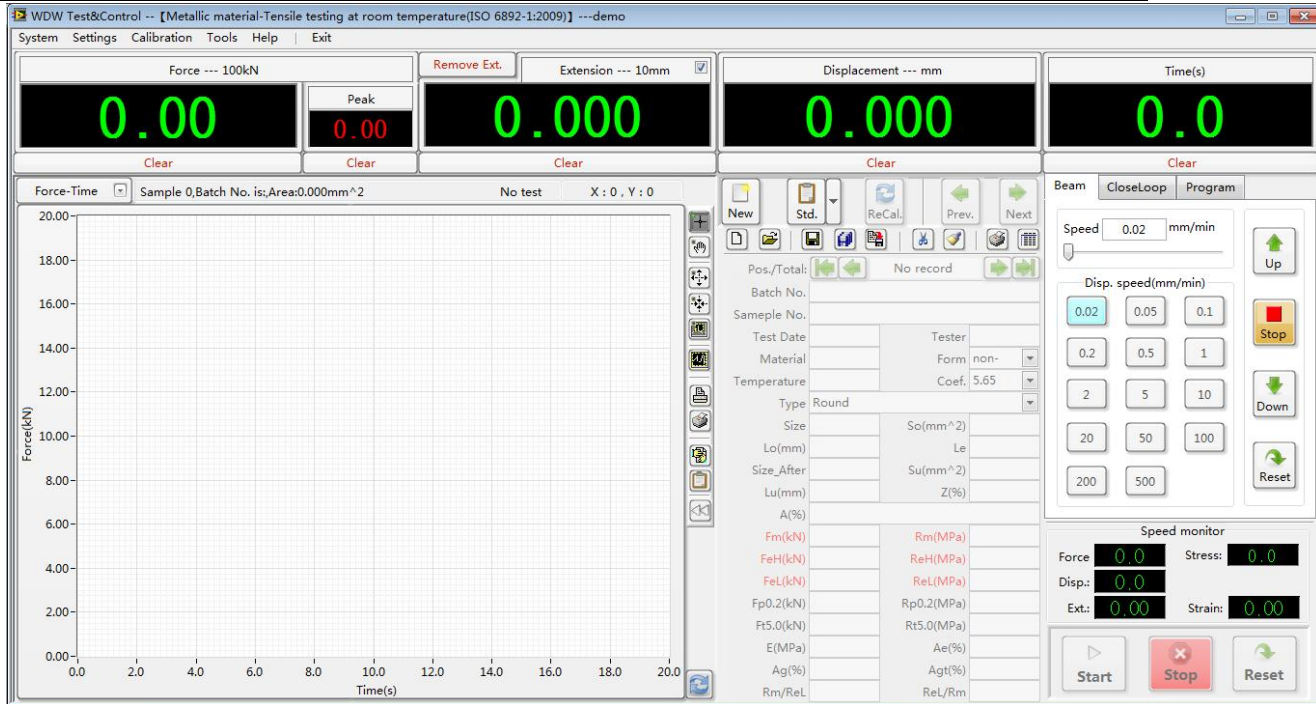
Three. Functions and features:

The design of HDS series microcomputer controlled universal testing machine converge the control technology and shape design of advanced test equipment. This machine has beautiful appearance, convenient operation, no pollution, low noise, stable and reliable performance, and has a wide range of speed regulation. The machine uses AC servo motor and Control system as the driving device. After the circular arc synchronous belt and the circular arc synchronous pulley deceleration system decelerate, the precision ball screw pair is loaded, and a variety of mechanical properties test of the sample is completed.

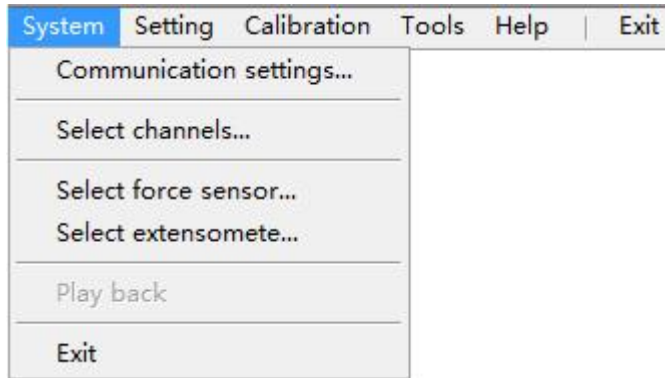
1. The precision screw pair driving by high precision, all digital speed control system and the precision deceleration system carry out the experiment to achieve a wide range adjustment of the test speed. The noise of the test process is low and the operation is stable.
2. It can be used for the cross pin structure and the universal joint. On the one hand, it ensures the concentricity of the test. On the other hand, the influence of the irregular sample on the sensor is eliminated.
3. Windows operating system, humanized operation interface, can display test method selection interface, test parameter selection interface, test operation and result display interface and curve display interface, and can display each parameter curve in real time, easy to test data analysis, process monitoring.
4. The beam can be adjusted in a fast and slow way when the sample is clamped. It has the protection devices such as overcurrent, overpressure and overload.
5. Configure the printer, which can directly realize the control of the test process and the storage and printing of data.

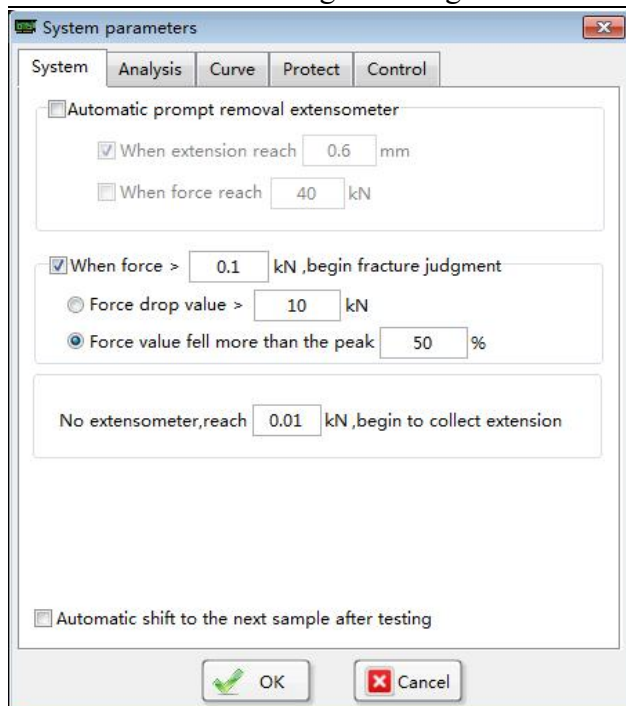
Four. The interface of the control system is as follows.

- 1) system main menu interface

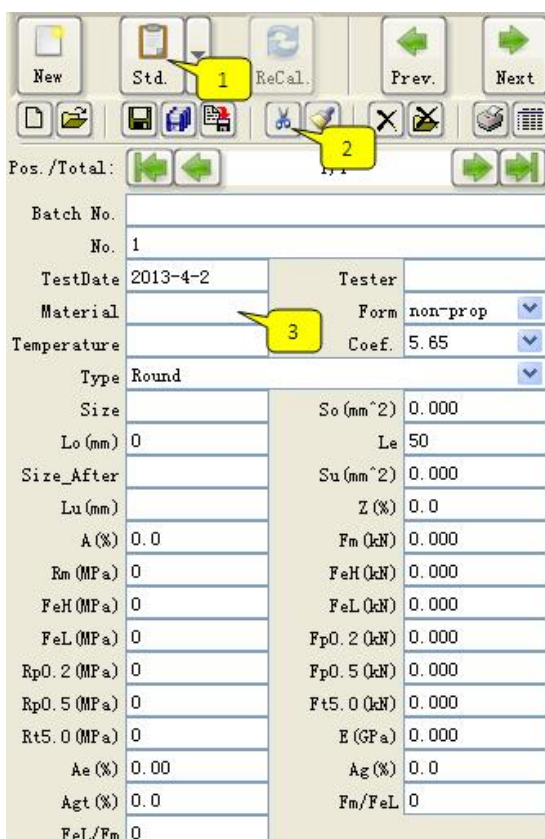


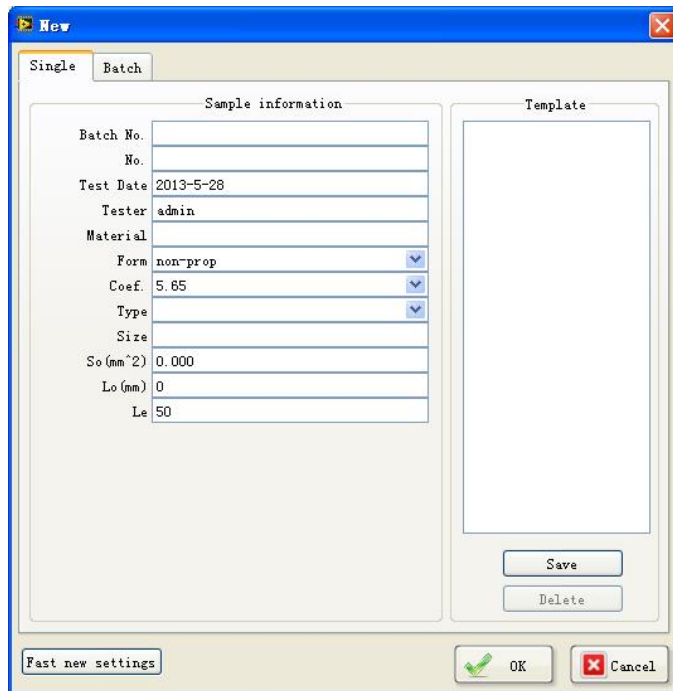
2) main setting interface





3) input of sample parameters

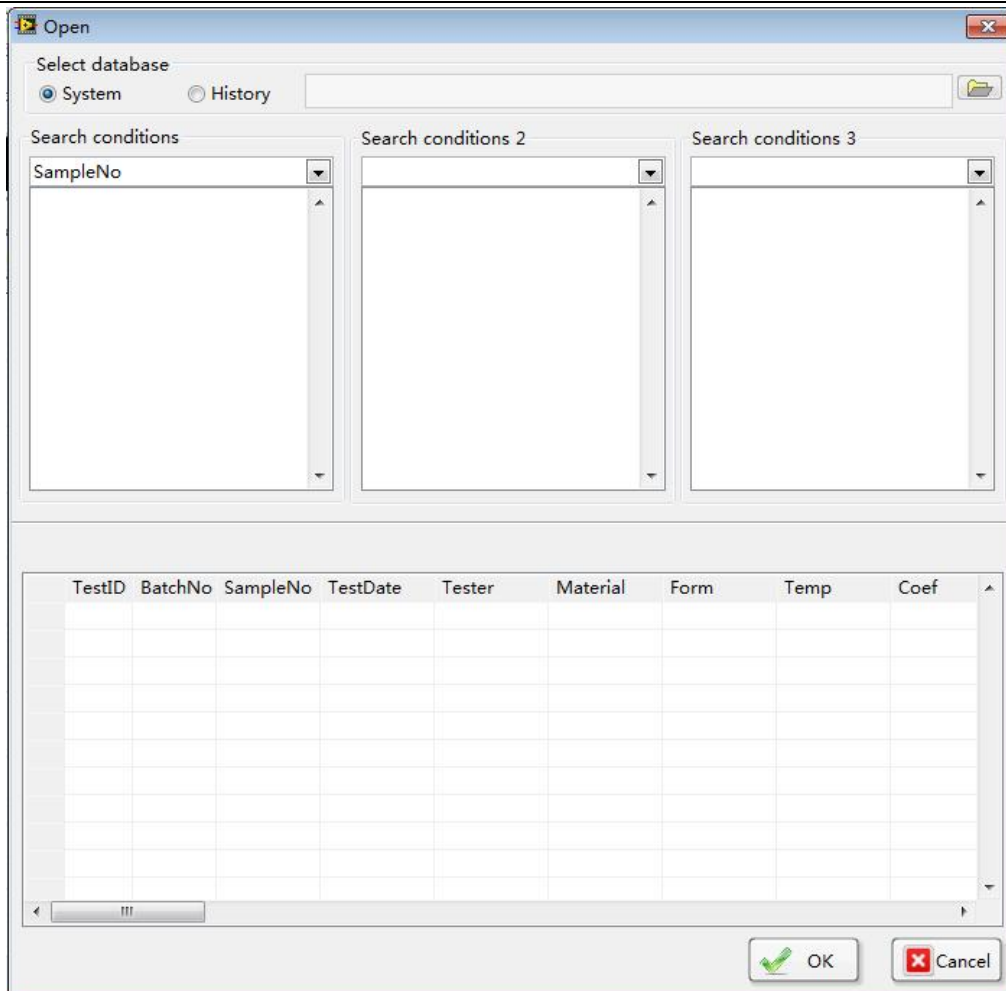




Sample information		Template
Batch No.		
No.		
Test Date	2013-5-28	
Tester	admin	
Material		
Form	non-prop	
Coef.	5.65	
Type		
Size		
So (mm ²)	0.000	
Lo (mm)	0	
Le	50	
Save		
Delete		

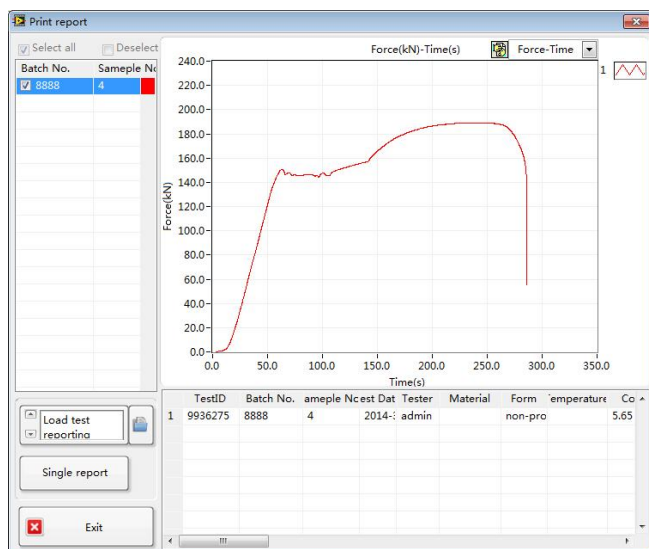
Fast new settings OK Cancel

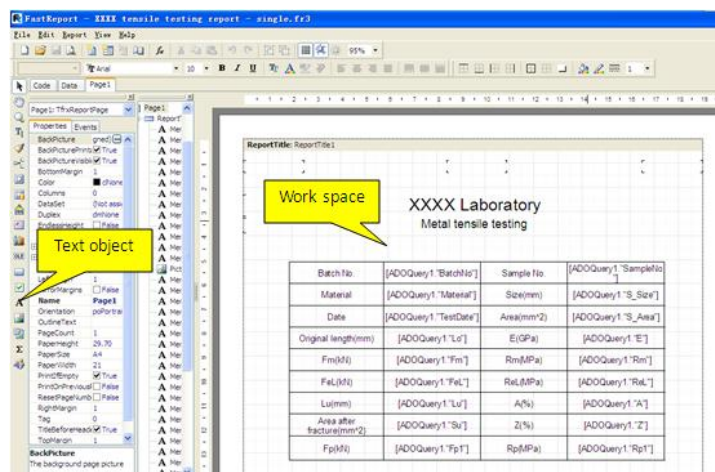
4) test result query interface



5) test report

The test report can be printed in a simple way, as well as to customize any form of Excel and Word form for customers, and the following is an example report.





Five. After-sales quality service.

After the formal acceptance of the equipment, the equipment shall be regarded as a formal delivery. The warranty of the equipment is eighteen months from the date of formal delivery. During the warranty, the supplier timely and free repair service for all kinds of malfunctions of the equipment, and timely and free replacement of all kinds of parts caused by non-human. If the equipment exceeds the warranty period, it will fail during the operation. The supplier will serve the ordering party in time, and assist the ordering party to complete the maintenance task.

Six. Qualification certificate

Our company is a high-tech enterprise integrating professional R & D, production and sales. Our company passed the "ISO9001 quality management system certification", Obtain "national authority testing standard products" and "national quality service AAA level enterprises". Owns **“Computer software copyright registration certificate”**, and has obtained a number of national patent products. The company has gathered the top material mechanics test machine structure design experts, professional tribology testing technology research and design experts, special engineers and laboratory testing equipment analysis experts to provide lasting power for the development of the company.

1. ISO9001 quality management system certification



BEIJING HANGXIE CERTIFICATION CENTER CO.,LTD.
**QUALITY MANAGEMENT SYSTEM
CERTIFICATION**

Jinan HengXu Testing Machine Technology Co., Ltd.

Registration No : 0348050640R0M
Organization Code: 91370104568109711R
Registration Address: No. 102-1 building 68, Xinmao Qilu science and technology city, No.
299, Zidong avenue, Tianqiao district, Jinan city, Shandong province,
China P.C.250119
In conformity with : GB/T19001-2016 idt ISO9001:2015
Certification scope: Production of material testing machine (Tensile testing machine,
Pressure testing machine, Torsion testing machine, Universal
testing machine, Impact testing machine); Design and production
of Friction and wear testing machine
Issue Date: Apr .08,2018 Expiry Date: Apr .07,2021
First Issue Date: Apr .08,2018



中国认可
国际互认
管理体系
MANAGEMENT SYSTEM
CNAS C034-M

General Manager:



BEIJING HANGXIE
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After this certificate is issued, there should be at least 2 surveillance audits within the 3 year period of validity; the current validity of the certificate can be checked on (www.bhxcc.com.cn) The certificate information is available on the official website of the National Certification and Accreditation Administration (www.cnca.gov.cn) It is also available by scanning the two-dimensional code at the bottom right corner.



Address : NO.7 Jingshun Road,Chaoyang District,Beijing,China.

2.Computer software copyright registration certificate

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软件名称： HTMS试验机测控系统
V1.0

著作权人： 济南恒旭试验机技术有限公司

开发完成日期： 2011年06月10日

首次发表日期： 2011年06月10日

权利取得方式： 原始取得

权利范围： 全部权利

登记号： 2018SR369442

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5.Certificate of verification



Tel:+86-0531-85860713, +8615508660930

WeChat/WhatsApp: +8615508660930

QQ: 1538151698

The contact: Janna Tang

Email:cnjntest@163.com

Add:No. 102-1, building 68, Xinmao Qilu science and technology city, No. 299, Zidong avenue, Tianqiao district, Jinan city, Shandong province China

Jinan Sunlight Testing Machine Technology Co.,Ltd

