

200-600kN

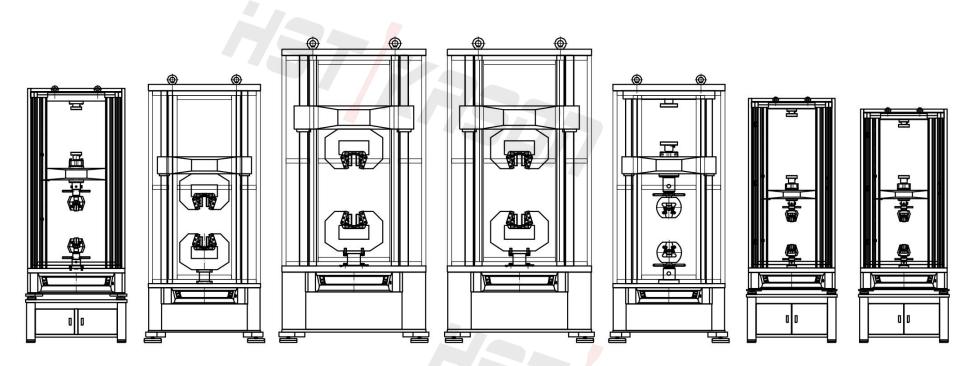
HENSGRAM

济南恒思盛大仪器有限公司 福陽高級的材料试验机制造和

Electronic Mechanical Universal Testing Machines

WDW Series





Diversified product series is available to almost all markets and industries around the world, Meet different customers



WDW Series

Application

This series material testing machine product group was primarily developed for standardized tests on ma- terials and components. Used in conjunction with the intuitive HKtest software.

Test Typical: wide range of tension, compression, bending, shearing and low cycle test. include metal, building components, rubber, plastic, spring, high strength steel (HSS), aerospace and automotive structures, screws, nuts, large fasteners, wood products etc.

Standards

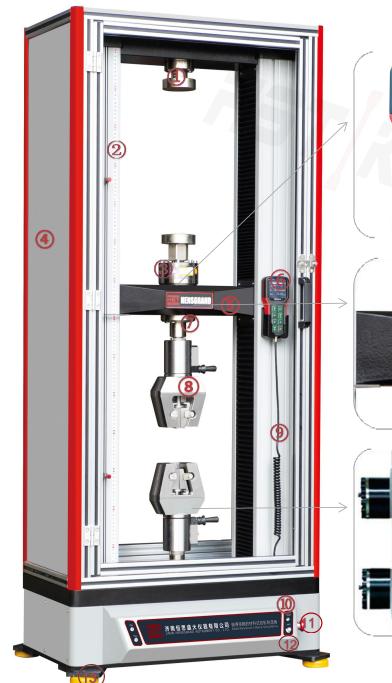
ASTMA370, ASTME4, ASTME8, ASTME9, ASTM D638, ASTM D882, ASTM D3039,ASTM D3479, ASTM E517,ASTM D695,ASTM D6641, ASTM D3410, ASTM D7791, ASTM D412, ISO6892, ISO527-3, ISO527-4, ISO7438, ISO7500-1, EN10002-4, GB/T228-2002, GB 16491-2008, HGT 3844-2008 QBT 11130-1991, GB13-22-1991, HGT 3849-2008,GB6349-1986, GB/T 1040.2-2006, ASTM C165, EN826, EN1606, EN1607, EN12430 etc

Safety Divice

Stroke protection: Machinery,computer double protection, prevent over preset; Force protection: system setting

Emergency stop device: handing emergencies





0.1326 0.00 **Can display** Load, diplacement, speed Has the functions of test start, test stop, test zero clearing and so on







- HST KASON
 - 01 Compression Grip 02 Ruler 03 Load Sensor 04 All Side Fully Enclosed Cover 05 High-Strength Beam 06 Digital Display Hand Control Box and Fixed Seat 07 Coaxiality Adjustment Device 08 Tensile Grip 09 Spiral stretch Line 10 Power Indicator 11 Emergency Stop Switch 12 Power Start Switch 13 High Load-Bearing Rubber Shock Absorption and Leveling Horn

T-slot Table



The grip can be changed according to the customer's material

Better performance, more cost-effective







Machine appearance comparison

Why choose us



PRODUCT COMPARISON



Machine cover All aluminum alloy surface special treatment, beautiful and generous, moisture-proof, rust-proof, long-term use without discoloration



Machine cover Iron plate spray paint, easy to rust, poor corrosion resistance, easy to change color, drop paint



4 columns and 2 ball screws,high frame strength, good guidance, smooth operation of equipment, low noise



2 columns 2 ballscrews,frame is not rigid enough, the guide performance is poor, easy to deform,can't guarantee the test accuracy,big vibration, high noise



High stiffness middle beam used to adjust the test space, the important stress position, coaxial adjustment device

used to adjust the coaxiality of the upper and lower fixture and improve the fracture alignment of the specimen



The middle beam is thin, easy to bend and deform after force, and the rigidity is poor. Impact on service life No coaxiality adjustment device, sample fracture to neutral difference, affecting test accuracy





Working table whole plate, high stiffness, low gravity,stable. High beaing capacity rubber shork absorber cushion levelling iron on base,adjusting the level of equipment, reduce the equipment vibration during the test process The base is made of thin steel plate with poor stiffness, light weight at the bottom, high gravity, poor stability and no good shock absorber at the bottom

Why choose us



PRODUCT COMPARISON







Test Grip

Electroplating process is used to treat the surface with high brightness and corrosion resistance **Test Grip** Blackening treatment, poor corrosion resistance



Installation of indicator ruler for real-time observation of the position of moving beam

The limit switch adopts the built-in installation mode, the outside adopts the limit adjusting rod and the position locking knob, has the strong sensitivity. Safe and reliable.



No indicator ruler, unable to observe position of moving beam The external limit switch is fixed on the moving beam, and the line of the limit switch follows the moving beam. The line is easily damaged after bending, the sensor is easily damaged by impact. No position adjusting rod and limit adjusting locking device





USA sensor Class 0.5, Conforms to EN 10002-2 Grade0.5, ISO75001-1 Class 0.5,BS 1610 Class 0.5, AS TM E4, and JIS B7721 Class 0.5

China sensor Class 1





The installation supporting cabinets designed according to human ergonomics, improves the overall control comfort of the equipment. The upper desktop is a high hardness solid psychological plate and the lower part is the high bearing rubber shock absorber leveling pad iron.

without

Why choose us

Proprietary Technology



External hand-held controller--Our company

adopts 320 x 240 LED display, which can quickly adjust the test space. It also has the functions of test start, test stop, test zero clearing and so on. It can display the running state of the equipment in real time, test data, make the sample clamping more convenient and easy to operate.



Limit indicator---our company

The mechanical touch device installed on the middle beam, after touching the electronic limit, the corresponding upper and lower limit indicator light will be on to prevent the equipment from overloading operation, sensor damage and so on, so as to protect the safety of the equipment operation.



External Independent Controller

Integrated measurement, control and transmission functions, And the signal acquisition, signal amplification, data transmission, servo motor drive unit is highly integrated; USB data transmission fully supports notebook computer, tablet computer, desktop computer

PCIE board card-Other Company

Unable to connect notebook and so on, data transmission is slow. It is easy has problem that cannot find the card, the card and the computer do not match and so on, the service life is short, to buy the controller and the special computer again after the loss of the host, which greatly increases the cost



Safety protection shield

Fully enclosed aluminum alloy shield , protection door with stainless steel lockin latch



Machine running drive system

Adopt 24 V low voltage control, used Japan Panasonic Company and Japan Omron Company and other international brand components, with electrical overcurrent, overload, limit indication and other protection functions,the equipment safe and reliable.



Safety and accessibility of electricity-our company

Add circuit breaker and computer, printer wiring board to change the line disorderly when using, make the line layout more clear, at the same time improves the safety of electricity use.

Elastic PU spiral line -our company

The connecting wire of force sensor and external hand-held controller adopts high elastic spiral telescopic wire, which makes the line more beautiful and durable.





Specifications

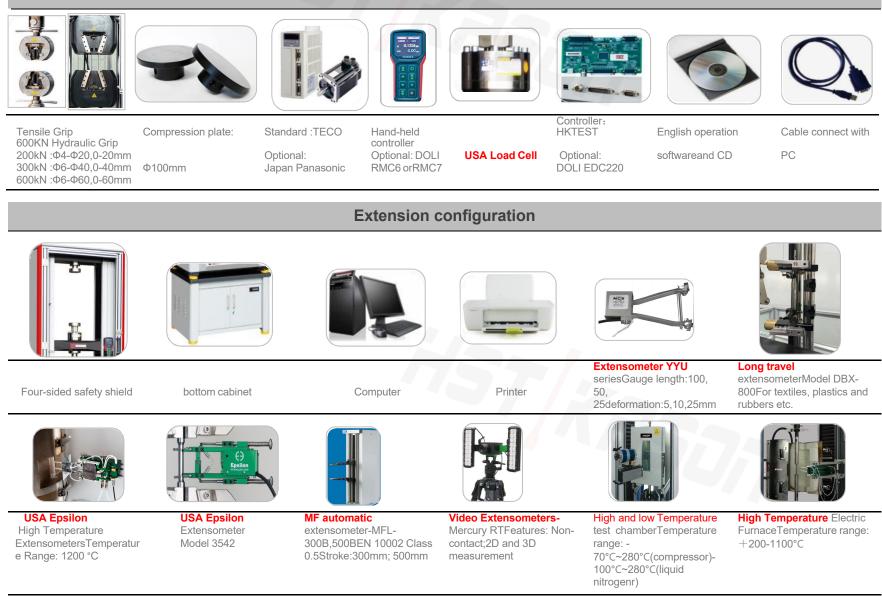
NO.	Items	Model	WDW-200E	WDW-300E	WDW-500E	WDW-600E								
		Structure	4 column and	2 Ball Screw			_							
		Max. Load(kN)	200	300	500	600								
		Tensile space(mm)	700	700	800	800			•	•	E	•	Π	
1	Host	Compression space(mm)	1100	1100	800	800			, E	Ŧ				
I	11031	Effective test width(mm)	600	600	700	700			₽ ⊐					
		size(mm)	1102*87	0*2395	1450*11	140*2730								
		Host Weight (kG)	2	200	2	4000								
		Power Supply	380V/50-60Hz											
		Controller	24 bit AD, exte	ernal controller						1			đ	
2	Control	communication mode	USB 2.0					2				ت		
2	System	Test software	HKTest							шк				
		Hand control box	320x240 Displ	ay Sscreen,8 k	key control			- ⁺	D) +				
		Servo motor	TAIWAN "TE	CO"			_		/6					
3	Process Specifications	Speed(mm/min)	Ę	500		200			(te					
	opeoindations	Displacement resolution							-					
		Load cell	USA (max loa	ad): one can ac	d more load cel			D						
4	Test Specifications	Load accuracy	,	10002-2 Grade0 5, ASTM E4, and	,	,							Ē	
		Measuring range	0.4% ~ 100%				H		٥	П				
		strong electric drive system	24V voltage co function	ontrol, with over	current overload	ling protection				[
_	Safety	Position limit switch	Upper and low	ver lights				15728		-				
5	Protection	Power	Power light,lea	ak current protec	tion device		L	oad	Α	В	С	D	E	E F
		Automatic protection	Overload 10%	, automatic prote	ection		2	0kN	850	585	1740	450		
		Position limit protection	Hall switch					0kN	850	585	1840	450		
6	Other	Equipment level adjusting device	φ160mm /φ18	5mm vibration-a	bsorptive cushio	oning iron								
-	Configuration	Hand control box fixing device	Standard				10	00kN	950	660	2000	550	655	655 1100

Note:Extra wide and/or extra height frames are available.Power supply system is completely customizable.Tensile space, test width, and speed is completely customizable.



Accessories

Basic configuration

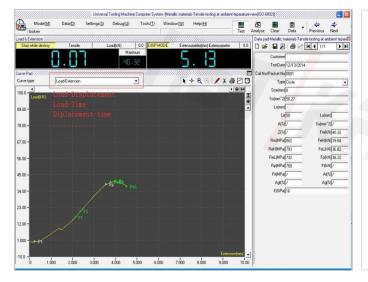


Other Grips



Software features





Debug Toolbox (MaxIni1.91/2009.8.26) Control Settings Load Sensor Extensometer Advance System Test Standards Option Remote Controler Caption ID ^ Find. Standard Specification for Defor... (A 615/A 615M-06a) Straight (General)-Tension (ASTM D 412-06a) ✓ Tensile Testing(TD) ☑ IS014125-1998 (E) ✓ Plastics--Tensile Properties (IS0527) ✓ Tear Strength (ASTM D 624-00) 🗹 (E)Tear Strength (ASTM D 624-00) Dumbbell-Tension (ASTM D 412-06a) A11 (E)Dumbbell-Tension (ASTM D412-06a) Tensile stress-strain properties... (ISO 37) Clear 🗹 (E)Straight (Standard)-Tension (ASTM D412-06a) OK Cancel

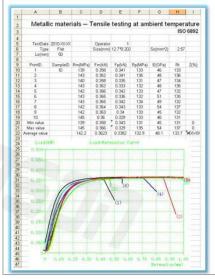
Test standard: provide users with the necessary applications to the test, covering GB, ASTM, DIN, JIS, BS ... and other testing standard specification.

- Computer software interface, display test data, setup method, sample size
- Can displays Load displacement, Load time, Load-Extnsion, Stressi-Strain, Stress-Time, Strain-Time, Load-Stress, Stress-Dipment, Dispment-Time to display and print; Can switch at any time to observe, zoom in and zoom out, horizontal or vertical movement, real-time high speed sampling.
- Tested product information: provide users with the data to set about the products, one time to input and re-use permanently . for improving the accuracy, the data can be corrected by the formula automatically.
- Unit KG,N,LB can be exchanged



Items can be tested in the computer servo type universal testing machine Common items: (display data and calculation)

- tensile stress tensile strength
- tensile strength fixed stress
- rate of elongation at break
- rate of stress at break
- stress strength tear strength
- the value of force at any point
- rate of elongation at any point
- pull-out strength



Output and print report: Excel, word, template test report, can be edited customize To show test information, including test person, test standard, test curve, test max load etc, can add your company LOGO and company name,easy to edit.