



No.743-CI-32015

Electronic Universal Testing Machine Catalog

Customer:

Manufacture: Jinan Chenda Testing Machine Manufacturing Co.,Ltd

Machine Model: WDW-100

Machine Name: Computer Control Electronic Universal Testing
Machine





Computer Control Electronic Universal Testing Machine

WDW 100

1. Brief Information

Model WDW-100 Computer control electronic universal testing machine is designed and manufactured according to ASTM, ISO, DIN etc standards. It is computer-controlled precision testing machine, suitable for wide range of material for tension compression, bending and shearing test. It has high stability as well as high precision, equipped with PC system & printer for graph, test result display, test control as set program, printing & data processing. Complete with modulus for metal, spring, textile, rubber, plastic and other material testing & creep test. It is widely used in many field used in many fields such as industry factories, mineral enterprise and high schools.

2. Standard :

- 1>ASTM D4632 Standard Test Method for Grab Breaking Load and Elongation of Geotextiles
- 2>ASTM D 4595 Standard Test Method for Tensile Properties of Geotextiles by the Wide-Width Strip Method
- 3>ASTM D4833 Standard Test Method for Index Puncture Resistance of Geomembranes and Related Products
- 4>ASTM D6241 Standard Test Method for Static Puncture Strength of Geotextiles and Geotextile-Related Products Using a 50-mm Probe
- 5>ASTM D4533 Standard Test Method for Trapezoid Tearing Strength of Geotextiles

3. Features:

3.1 Host Frame

- The mainframe is a double-space door structure. The driving principle is that the motor drives the ball screw pair to rotate after decelerating through the reducer system, thus driving the middle beam up and down to complete the test, the transmission is stable and the noise is low.
- Using four guiding optical screws, ϕ 40mm high precision ball screw. The high rigid frame is composed of thick beam and base, which can guarantee the frame with excellent longitudinal and transverse rigidity and good overall accuracy.
- Servo motor drive and reducer system without maintenance, can guarantee the accuracy and stability of the beam, the speed ratio can reach 1: 100000.
- Under the guidance of the internal control precision of 5% of coaxiality, the cross joint can be precisely aligned in axial test, and the linear motion of the beam can be guaranteed, so as to ensure that the influence of the lateral force on the specimen under load is minimal. Thus, better test performance can be



obtained.

3.2 Controller

- Force , displacement , deformation measurement resolution up to 1 / 300000 of full scale
- AD sampling frequency can be as high as 300 Hz
- Can realize closed-loop control of parameters such as test force,specimen deformation and beam displacement .It can be used to realize the tests of constant speed- test force, constant speed- displacement, constant speed-strain, constant speed-load cycle, constant speed-deformation cycle and so on. Various control modes can be switched smoothly. And smooth transition.Advanced Neuron Adaptive PID Control algorithm.

4.1. Technical specification:

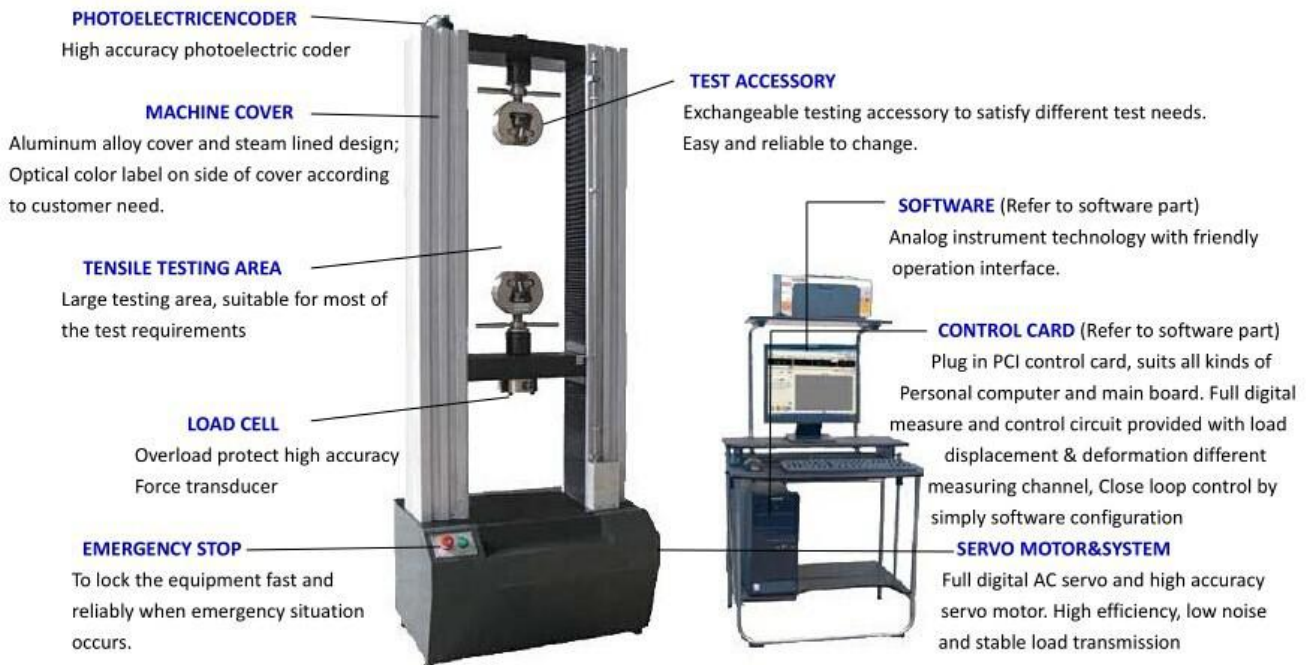
Mode	WDW-100/WDW-50
max. test force	100KN/50KN
Test force testing range	1%~100%
Testing machine accuracy grade	1/0.5
Accuracy of test force	Better than indication value ±0.5%
Crosshead displacement resolution	0.001mm
Deformation index	Meet the B-1 standard
Large deformation resolution	1/200000
Control system	servo drive controller
Auto-stop function	1.maximum capacity overload protection 2.leakage current protection
Adjust speed range	0.005-500mm/min
Tensile test space	650mm
Compression test space	800mm
Compression Diameter	φ100mm
Effective test width	500mm
Host type	door structure
Host dimension	840mm x 600mm x 1750mm
Weight	600kg
Power Supply	220volts, 1 phase, 60 hertz
Working environment	Room temperature 45 humidity 20%-80%

4.2 Standard delivery:

NO.		Brand Name	
1	Test host	Chenda	1
2	AC servo motor	(Panasonic)	1

3	Speed governor		1
4	Load cell	(America Celtron)	1
5	Precision ball screw	Taiwan ABBA	2
6	Deceleration system		1
7	Computer control system		1
8	Optical encoder		1
9	Computer	Lenovo	1
10	Printer	Hp color ink jet printer	1
11	PCI Card		1
12	Windows system software		1
13	Tensile Fixture for rope	Large(for 8-25mm)+small(for 2.5-7mm)	2
14	Tensile accessory For Metal Material Optional	Round jaw(mm)Φ4-Φ9, Φ9-Φ14, Φ14-Φ20 Flat jaw 0-7,7-14,14-20	In total 3 sets customer choose by yourself
15	Compression accessory	φ100mm	1
16	Technical information		1

5.Host details:



6. Extensometer (Optionnal)



gauge length

50mm

Deformation

25mm

Scalable distance adapter 50, 25,10

7.Provincial hospital experts Verification scene picture



New Design Electronic UTM In Work Shop



8.Packaging

- 1> Inner package: dust-proof plastic bag and strength film
- 2> Outer package: standard export wooden case with pallet
- 3> Special package: according to buyer's requirements
- 4<The packages suitable for international transport by sea, by air or any other delivery methods

Delivery And Shipping

Delivery: 15 working days after received the payment

Shipping:

Suitable for international transport through shipping by sea, by air or any other delivery method. according to the customer demands

(Note: we can provide special packages according to buyer's requirements.)

9.Our Compony



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Jinan Chenda Testing Machine Manufacturing Co., Ltd. was established in 2003, and is a professional comprehensive company which integrates research and development, production, marketing and service. Our products are applied widely in many fields such as scientific institutions, colleges, metallurgical, construction materials, railway trains, highway traffic, rubber plastic, wire and cable, and fire facilities.

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Our company is located in the beautiful spring city - Jinan, which is the center for developing testing machines in China as well as the largest testing machines producing base at home.

We are specialized in providing:

1. Hydraulic universal testing machines
2. Electronic universal testing machines
3. Friction and wear testing machines
4. Complete impact testing equipment and bending testing machines

10.Our Services

1. Pre-service

24 Hours online service for your consult.

Help choose right model, and a series of service, person, advise.

2. Middle service

--Give you best offer

--Provide discount for many sets order

--Do customer's request:

--Choose payment term you convenient.

--Promptly production and delivery, inform you in time.

--Can provide invoice value as you like to decrease your tax.

3. After sale service

--1 year warranty service and all life maintenance.

--Technical Engineer are available for oversea training.

--Free change for some parts

--Remote control technical consult

--Free installation DVD

--Maintenance plan

4, Commitment:

We will sign a letter of commitment while we sign the contract, which will improve your confidence to us.

Nancy: International Trade



Education: bachelor's degree

**International economics and trade major ,
has exported testing machine to all over
the world for many years.**

**Very Familiar with hydraulic UTM, Electronic UTM,
Compression Tester, Impact Tester, Torsion Tester
and so on .Have rich experience for selecting
Testing machine.**

Thanks and We are desirous to cooperate with you !