

Universal Testing Machine

Machine Model: WDW-100



WDW-100 Computer Control Electronic Universal Testing Machine

PHOTOELECTRIC ENCODER

High accuracy photoelectric coder

MACHINE COVER

Aluminum alloy cover and steam lined design;
Optical color label on side of cover according
to customer need.

TENSILE TESTING AREA

Large testing area, suitable for most of
the test requirements

LOAD CELL

Overload protect high accuracy
Force transducer

EMERGENCY STOP

To lock the equipment fast and
reliably when emergency situation
occurs.

TEST ACCESSORY

Exchangeable testing accessory to satisfy different test needs.
Easy and reliable to change.

SOFTWARE (Refer to software part)

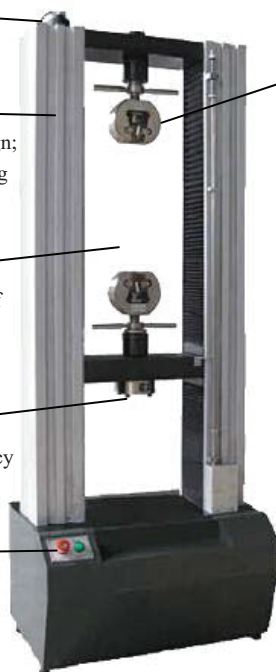
Analog instrument technology with friendly
operation interface.

CONTROL CARD (Refer to software part)

Plug in PCI control card, suits all kinds of
Personal computer and main board. Full digital
measure and control circuit provided with load
displacement & deformation different
measuring channel, Close loop control by
simply software configuration

SERVO MOTOR&SYSTEM

Full digital AC servo and high accuracy
servo motor. High efficiency, low noise
and stable load transmission





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Load frame

Robust compact structure guarantees the stiffness of the machine, and the servo motor drives the no backlash ball screw to do test

Technical specification:

Mode	WDW-100
max. test force	100KN
Measurement range of test force	2%-100%
Testing machine accuracy grade	1
Accuracy of test force	$\leq \pm 1\%$
Crosshead displacement resolution	0.01mm
Adjust speed range	0.01-500mm/min
Tensile test space	550mm
Compression test space	600mm
Host type	door structure
Host dimension	840mm x 600mm x 1750mm
Weight	500kg
Working environment	Room temperature 45 humidity 20%-80%

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Standard delivery:

NO.		
1	Test host	1
2	AC servo motor	1
3	Speed governor	1
4	Load cell	1
5	Precision ball screw	2
6	Deceleration system	1
7	Computer control system	1
8	Optical encoder	1
9	Computer	1
10	Printer	1
11	Windows system software	1
12	Accompany tools	1
13	Tensile accessory	1
14	Compression accessory	1
15	Bending accessory	1
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Main accessory



1. Mechanical wedge grip 1 set

Inserts for round specimen diameter 4-9mm, 9-14mm 1 set for each
Inserts for flat specimen 0-7mm, 7-14mm 1 set for each



Flat



Round



5. Photoelectric encoder 1 set

Measure the displacement



2. Compression test attachment 1 set

Specification: Diameter 100



6. Computer & printer & software

Computer: Lenovo

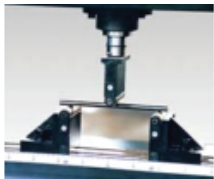
Printer: HP

Software : English version (for details, please refer to Annex-1)



3. Bending test attachment 1set

3 point bending



4. High precision load cell 1set

Flat load cell +/- 100kn, tensile & compression type



7. Servo motor and control system 1 set



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STARTECH