

# Double Column Universal Testing Machine

Model: WDW-XX

## Application

- The series double column testing system for tension and compression applications where loads less than 300kN.
- >Designed with strong linear motion guide and servo motor.
- >Increased lateral stiffness to ensure linear crosshead travel.
- >Servo motor equipped with precise planet-gear speed reducer providing higher efficiency and low noise.
- >Wide range of test accessories allows to meet test requirements of different standards and for different materials.
- >This series is suitable to test: plastics, wires, bars, biomaterials, adhesive materials, etc...

## Standards:

ASTMA370, ASTM E4, ASTM E8, ASTM E9, ISO6892, ISO7438, ISO7500-1, EN10002-4, GB/T228-2002, HGT 3844-2008, QBT11130-1991, GB13-22-1991, HGT 3849-2008, GB6349-1986, GB/T1040.2-2006, ASTM C165, EN826,



| MODEL                              | WDW-5E   | WDW-10E   | WDW-20E   | WDW-30E          | WDW-50E   | WDW-100E     |
|------------------------------------|--|-----------|-----------|------------------|-----------|--------------|
| Load Capacity (kN)                 | 5  | 10        | 20        | 30               | 50        | 100          |
| Test Grade                         | 0.5  | 0.5       | 0.5       | 0.5              | 0.5       | 0.5          |
| Testing Force Accuracy             | ±0.5%  | ±0.5%     | ±0.5%     | ±0.5%            | ±0.5%     | ±0.5%        |
| Testing Force Range(FS)            | 0.4%-100%  | 0.4%-100% | 0.4%-100% | 0.4%-100%        | 0.4%-100% | 0.4%-100%    |
| Force Resolution                   | 1/500000   | 1/500000  | 1/500000  | 1/500000         | 1/500000  | 1/500000     |
| Displacement Accuracy              | ±0.5%  | ±0.5%     | ±0.5%     | ±0.5%            | ±0.5%     | ±0.5%        |
| Displacement Resolution(mm)        | 0.05   | 0.05      | 0.05      | 0.05             | 0.05      | 0.05         |
| Speed Range (mm/min)               | 0.01-1000  | 0.01-1000 | 0.01-1000 | 0.01-1000        | 0.01-1000 | 0.01-500     |
| Control Accuracy                   | ±0.5%  | ±0.5%     | ±0.5%     | ±0.5%            | ±0.5%     | ±0.5%        |
| Crosshead Travel(mm)               | 1000   | 1000      | 1000      | 1100             | 1100      | 1100         |
| Max. Tensile Testing Space(mm)     | 670  | 670       | 670       | 770              | 770       | 650          |
| Max. Compression Testing Space(mm) | 900  | 900       | 900       | 1000             | 1000      | 1000         |
| Test width (mm)                    | 450  | 450       | 450       | 450              | 450       | 550          |
| Compression Platen(mm)             | Φ98  | Φ98       | Φ98       | Φ98              | Φ98       | Φ98          |
| Load cell                          | High-precision USA load cell offers high stiffness, high stability, and high linearity<br>Over-load protection ,lateral loading protection, Bi-direction allows tension and compression test |           |           |                  |           |              |
| Position limit switch              | Upper and lower lights   |           |           |                  |           |              |
| Power Supply                       | AC220V±10%, 50Hz/60Hz  |           |           |                  |           |              |
| Overall Dimensions (L*W*H: mm)     | 850 x 590 x 1750   |           |           | 840 x 570 x 1850 |           | 950x660x2000 |
| Net Weight(kG)                     | 370  | 370       | 370       | 420              | 420       | 680          |

084-928-5202, 02-383-2679-80

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NARIN INSTRUMENTS CO.,LTD. 60/201 M.1 T.Bangmueng Mueng, Samutprakarn 10270. Thailand

# Double Column Universal Testing Machine

Model: WDW-XX



▼ 200/300KN



▼ 500/600KN

| MODEL                              | WDW-200E   | WDW-300E    | WDW-500E       | WDW-600E    |
|------------------------------------|--|-------------|----------------|-------------|
| Load Capacity (kN)                 | 200  | 300         | 500            | 600         |
| Test Grade                         | 0.5  | 0.5         | 0.5            | 0.5         |
| Testing Force Accuracy             | ±0.5%  | ±0.5%       | ±0.5%          | ±0.5%       |
| Testing Force Range                | 0.4%-100%FS  | 0.4%-100%FS | 0.4%-100%FS    | 0.4%-100%FS |
| Force Resolution                   | 1/300000   | 1/300000    | 1/300000       | 1/300000    |
| Displacement Accuracy              | ±0.5%  | ±0.5%       | ±0.5%          | ±0.5%       |
| Displacement Resolution(mm)        | 0.05   | 0.05        | 0.05           | 0.05        |
| Speed Range (mm/min)               | 0.01-500   | 0.01-500    | 0.01-500       | 0.01-500    |
| Control Accuracy                   | ±0.5%  | ±0.5%       | ±0.5%          | ±0.5%       |
| Crosshead Travel(mm)               | 1100   | 1100        | 1100           | 1100        |
| Max. Tensile Testing Space(mm)     | 700  | 700         | 800            | 800         |
| Max. Compression Testing Space(mm) | 1100   | 1100        | 800            | 800         |
| Test width (mm)                    | 600  | 600         | 700            | 700         |
| Compression Platen(mm)             | Φ100   | Φ100        | Φ100           | Φ100        |
| Load cell                          | High-precision USA load cell offers high stiffness, high stability, and high linearity Over-load protection ,lateral loading protection, Bi-direction allows tension and compression test Self-recognition (TEDS) function, Regular self-calibration |             |                |             |
| Position limit switch              | Upper and lower lights   |             |                |             |
| Power Supply                       | AC220V±10%, 50Hz/60Hz  |             |                |             |
| Overall Dimensions (L*W*H: mm)     | 1102*870*2395  |             | 1450*1140*2730 |             |
| Net Weight(kG)                     | 2200   |             | 4000           |             |

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