

# Computerised Universal Testing Machine

Our **WDW-Series** Computerised Universal Testing Machine are Dual Column Floor Type Testing Systems are universal, static testing systems that perform tensile and compression testing; and also perform shear, flexure, peel, tear, cyclic, and bend tests. This series are engineered for precision, built for durability, and offer the flexibility for changing requirements.

These are designed with standard and optional features that increase testing efficiency and improve the testing experience for the operator. Dual column systems are multi-purpose instruments that are commonly used for plastics, metals, rubber materials, automotive components, composites, and non-ambient temperature applications.

It Complies with different standards such as ASTM D638, ASTM D695, ASTM D790, ASTM D412, 624, ASTM D882, ISO 527, ISO 37, ISO 604, ISO 178 and another equivalent BS, ASTM, JIS standard.



## Main application:

These Machines are suitable to use in Medical devices Industries, Biomaterials, textiles, elastomers, food, small components, wire, paper, plastic, film, fibre and threads, adhesives and many more.

Widely used in industrial application, factory quality control, Science and research institute, QC & QA college student training, education institute, testing and inspection centre, laboratories, construction company, aerospace, mechanical production, electric appliance fields.



## WDW-Series

## TECHNICAL SPECIFICATIONS

Model	WDW-10E WDW-10Y	WDW-20E WDW-20Y	WDW-50E WDW-50Y	WDW-100E WDW-100Y	WDW-100E WDW-300Y
Max. load	10KN	20KN	50KN	100KN	300KN
Measuring force range	0.4% - 100%				
Accuracy of testing force	±0.5% of indicated value				
Displacement resolution	0.0025mm				
Crossbeam speed range	0.1 mm/min - 500 mm/min, stepless, adjustable freely				
Effective testing space	700mm				
Effective width	450mm		570mm		600mm
Tensile grips type	Wedge type grip Flat jaws:0-14mm, Round jaws: Ø4-Ø14mm		Wedge type grip Flat jaws:0-20mm, Round jaws: Ø4-Ø20mm		Wedge type grip Flat jaws:0-26mm, Round jaws: Ø4-Ø24mm
Power supply	220V±10%, 50/60Hz				
Working environment	10°C - 30°C, relative humidity≤80%				
Dimension	830×550×1900mm		1000×750×2260mm		950×800×2100mm
Weight	550Kg		1100kg		1500kg
Key part	<ul style="list-style-type: none"> <li>• "Y" type, Taiwan TECO servo motor</li> <li>• "E" Type, Japan Panasonic servo motor</li> <li>• "Y" type, China super brand load cell</li> <li>• "E" Type, USA Vishay Celtron load cell</li> <li>• Korea Taijing Precision ball leading screw</li> <li>• Omron Photoelectronic encoder</li> </ul>				
Standard Accessories	<ul style="list-style-type: none"> <li>• Decelerator,</li> <li>• PC, printer,</li> <li>• Smartest software,</li> <li>• Wedge tensile grip,</li> <li>• Jaws</li> <li>• compression platen</li> <li>• Instructional Manual, Packing List and Certificate etc.</li> </ul>				

• Due to continues product development, specifications and image are subject to change