



## Universal Testing Machine

### Product Description

The Universal Testing Machine is designed for accurate and reliable testing of various materials including paper, rubber, corrugated boxes, plastics, metals, composites, cement, and concrete. Suitable for tensile, compression, flexure, and bend tests, the machine delivers precise performance for quality control, research, and laboratory applications.

Equipped with hydraulic wedge grips, digital display, and PC-based data acquisition software, the system ensures smooth operation, accurate measurement, and real-time test analysis.

### Key Features

- 200 kN load capacity
- Hydraulic self-tightening wedge grips
- High accuracy load measurement ( $\pm 1\%$ )
- Microprocessor-based digital display
- PC-based data acquisition software
- Real-time graph and result display
- Pace rate control from 0.01 to 100 kN/sec
- Strong and rugged 2-column frame structure
- Easy operation with overload protection
- Suitable for flat specimens

### Technical Specifications

Parameter	Specification
Capacity	200 kN
Load Accuracy	$\pm 1\%$ of indicated value
Grip Type	Hydraulic Wedge Grip

Note: Specifications are subject to change, Photos shown above are Indicative, Actual Product can Vary.



Export Sales: +91-9829132777  
India Sales: +91-9588842361



IT-2013, Ramchandrapura Industrial Area,  
Sitapura Extension, Jaipur-302022, India.



info@tesca.in  
www.tescaglobal.com

Parameter	Specification
Frame Type	2 Column
Pace Rate Control	0.01 – 100 kN/sec
Max Test Space	1100 mm
Crosshead Travel	900 mm
Distance Between Columns	450 mm
Piston Stroke	250 mm
Display	Digital Display
Software	PC Based Data Acquisition
Power Supply	230V AC, 50Hz, Single Phase

### Applications

- Paper & Packaging Materials
- Rubber & Elastomers
- Corrugated Boxes
- Plastics & Polymers
- Metals & Alloys
- Cement & Concrete
- Composites & Ceramics
- Quality Control Laboratories
- Research & Development Labs

Note: Specifications are subject to change, Photos shown above are Indicative, Actual Product can Vary.



Export Sales: +91-9829132777  
India Sales: +91-9588842361



IT-2013, Ramchandrapura Industrial Area,  
Sitapura Extension, Jaipur-302022, India.



info@tesca.in  
www.tescaglobal.com