

Universal Testing Machine to determine properties of tensile and elongation as per ASTM D 638/ D 882, flexural as per ASTM D - 790 and compression as per ASTM D 695 of unreinforced and reinforced plastics.

Computerised Twin Screw Dual Channel Universal Testing Machine Embedded touch screen version.
The equipment could also be used to conduct peel, bond and friction test by attaching different fixtures (optional).

Specification:

- Load capacity:** up to 1000 kg*.
- No. of load cell:** Two.
- Cross Travel:** up to 1000 mm*.
- Horizontal day light:** 450 mm*.
- Speed:** 2mm / minute to 500mm/minute.
- Paint:** Powder coated.
- Power:** 230 Volts, 50Hz, single phase.

Direct display and printout through embedded controller:

Peak load, Break load, Elongation at peak load, Elongation at break load, Tensile strength at peak load, Tensile strength at break load, % elongation at peak load, % elongation at break load, Young's modulus, Yield load, Yield stress, Flexural stress, Flexural modulus, Compression strength and Load Vs Elongation graph could be obtained in different user selectable unit and format. Similarly average value and standard deviation could be obtained by merging different tests.



* Equipment with other capacities could also be supplied as per the requirement.

Polyfilm Grips



Yarn Grips



Wire Grips

