



International Equipments

Material Testing Equipment as per  
**BS • DIN • ISO • IS • ASTM**



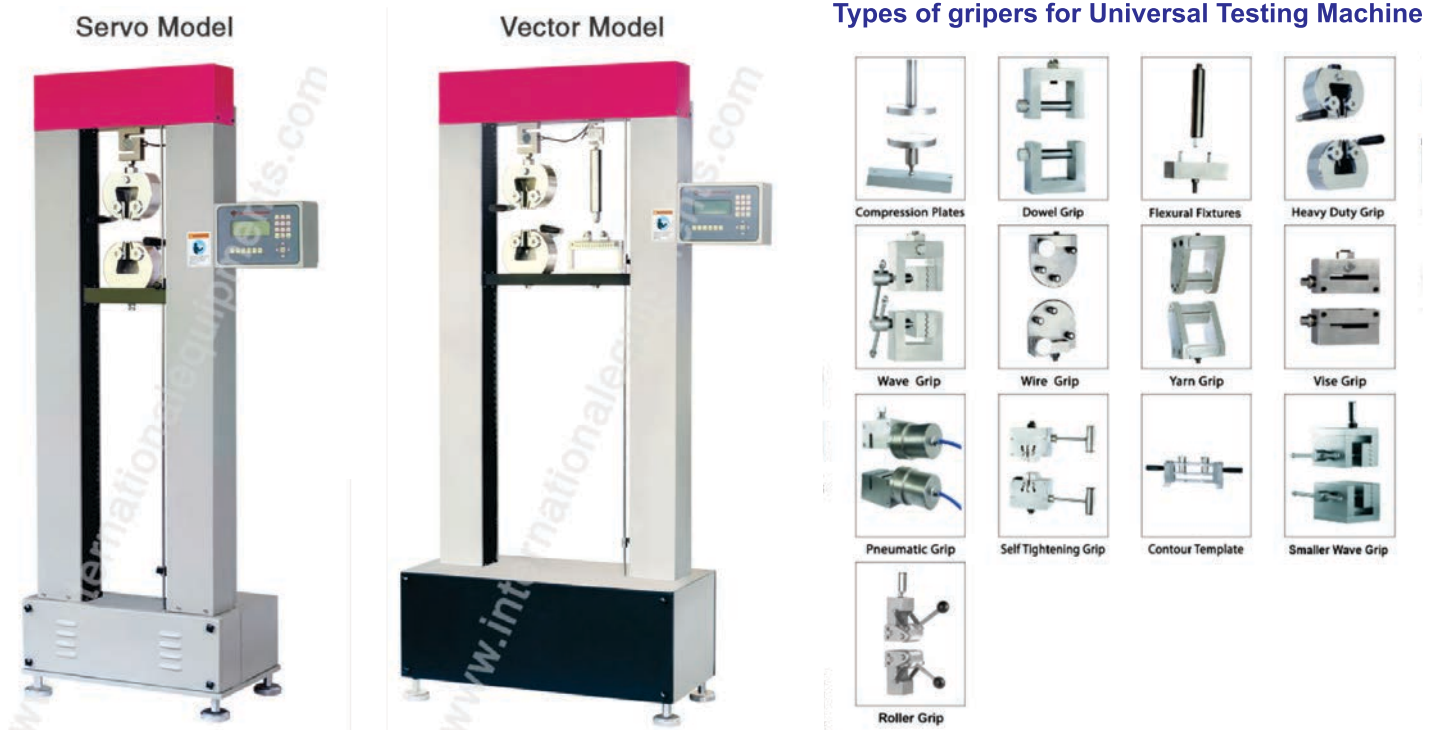
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# Universal Testing Machine (servo & Vector Model)

## Unique Features

- Highly accurate position control with high range of speed • Accurate start and stop instantly using 32 bit microcontroller • Four line and 20 characters controller with multiple features
- Automatic calculation of modulus @different strains selectable • Multi unit display in Kg, pound, Newton mm, cm, inch selectable • Direct display on controller and numeric printout facility
- Safety norms of over load in auto as well as manual mode • Data lock for calibration and master controlled parameters • Safety norms of over travel in auto mode. • Tests preprogramming facility for Tensile, Flexural, Peel, Bond, Compression, Cyclic endurance based on load, travel, time

Computerized Twin screw Universal Testing Machine to determine properties of Tensile & Elongation as per ASTM D 638 & ISO 527, Compression as per ASTM D 695 & Flexural (three point bending), as per ASTM D 790 with auto stop, auto reverse facility & direct display of result through 32 bit micro controller having 4 lines and 20 character display. Suitable for checking all types of polymers, compounds, composite materials, fibre reinforced plastics (FRP) and polymeric materials.



## Universal Testing Machine (BOTH OPTIONS SERVO & VFD)

### Specification :

- **Load capacity** : Various different capacities can be offered up to 5000 kg.\*
- **No. of load cell** : Optional One or Two.
- **Cross Travel** : up to 1000 mm
- Facility of full scale elongation as well as Extensometer gauge length elongation (OPTIONAL)
- **Horizontal day light** : 450mm
- **Speed** : Variable between 0.5mm/minute to 800mm/minute depending on model.
- **Paint** : Powder coated.
- **Power** : 230 Volts, 50Hz, single phase.

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

All results such as Peak load, Elongation at Peak load, Break load, Elongation at break load, % elongation at Peak, % elongation at Break, Tensile strength at Peak, Tensile strength at Break, Flexural stress, Compression Strength, Secant Modulus, Tangent Modulus & Flexural Modulus are directly displayed in Microcontroller as well as through PC software

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