

## ASTM Tension Strength Testing Equipment Tensile Testing Machines for Cable and Wire

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[617 haida universal test machine.pdf](#)

### Main Technical Parameters of Tension Strength Tester:

Items	Specification
Sensor	Celtron load cell
Capacity	5, 10, 20, 25, 50, 100, 200kg
Unit Switchover	G, KG, N, LB
Display Device	LCD or PC

Resolution	1/250,000
Accuracy	±0.5%
Max. Stroke	1200mm (excluding fixture)
Test Speed	0-500mm/min (adjustable )
Motor	Taiwan 400w servo motor
Screw	High Precise Ball Screw
Elongation Accuracy	0.001mm
Power	1phase,AC220V, 50HZ
Weight	Approx.85kg
Accessories	One set tensile clamp, one set Lenovo computer, one piece English software CD, one piece operation video CD, one piece English user manual

## APPLICATIONS

1. Tested sample: plastic films, laminated materials, adhesive tapes, adhesive bandage (plaster), release paper, plastic films, leather, rubber & plastic, paper, fiber, etc.
2. Different test with different grips: tensile, peel, tear, heat seal, adhesive, bend and open force.
3. Deformation under defined load: Test deformation under defined load of tested sample
4. Load under defined deformation: Test load under defined deformation of tested sample
5. Software can issue word/excel report with results for max. force, elongation, tensile strength, peel strength, tear strength, compression strength, etc.

### Plastic& Plastic Pipe

- ISO 180: Izod Impact Test
- ISO 9966: Ring Stiffness Test
- ISO 179: Charpy Impact Test
- ISO 4892: Weathering Aging Test
- ASTM D3163: Plastic Lap-Shear Test
- ISO 4422, ISO 3127: Pipe Impact Test
- ASTM D4565, ISO 11357, EN 728: DSC/OIT
- ISO 75: Heat Deflection Temperature (HDT)
- ASTM D1598: Hydrostatic Pressure and Burst Test
- ISO 1133, ASTM D1238: Melt Flow Rate Test (MFR/MVR)
- ASTM D790, ISO 178, ISO 14125, ASTM D6272: Bend Test

- ISO 306, ASTM D1525: Vicat Softening Temperature (VST)
  - ASTM D882, ASTM D 638, ISO 527, ASTM D1708: Tensile Test
- Features** of ASTM Electronic Carbon Rod Material Tension Strength Tester:
1. Motor system: Panasonic servo motor +Servo driver +High precise ball screw (Taiwan).
  2. Control system: a, computer control with TM2101 software; b, Back to origin automatically after the test, c, store data automatically or by manual operation.
  3. Data transmission: RS232.
  4. Displacement resolution: 0.001mm.
  5. Graph scale automatic optimization can make graph to display with best measurement and can implement graphics dynamic switching in the test and has force-elongation, force- time, elongation - time, stress - strain.
  6. It can save results automatically after test finished, and it is manual filing. It can display maximum force, yield strength, compressive strength, tensile strength, elongation, peel interval maximum, minimum and average, etc.
  7. User can set parameters of product material such as length, width, thickness, radius, area and so on.
  8. Many languages random switching: Simplified Chinese, Traditional Chinese, and English.

