



Electronic 2KN Single Column Tensile Testing Machines Price for Film ,Textile



Max. Capacity: 2KN

Speed: 0.01-1000mm/min

Motor: Panasonic Servo Motor

Control: LCD&PC

Force Reading: Kgf, lbf, N, KN, T Etc

Test Speed: 0.1~500mm/min (adjustable)

PC Universal Test Equipment 2kn Tensile Test Machines For Universal Materials



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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.

Features:

1. High-Tech, Low Noise
2. Humanized Industrial Design, Easy To Place And Transport
3. Security Protection System
4. Technical Engineer Support After Service
5. Manufacturers Direct Sales, Factory Prices
6. 1 Year Warranty, Free The Use Of Equipment Manual
7. Sales In Stock, Fast Delivery Time

STANDARD FEATURES

Item	Description
Frame capacity	200kg
Load cell brand	Germany brand load cell for high accuracy 200kg (5,10,50,100kg are optional)
Load accuracy	0.5% F.S
Control system	LCD with build-in printer /PC with windows 7 system
Motor	Panasonic servo motor w/AC variable speed drive system, high-precision mechanical ball screw rod
Force reading	kgf, lbf, N, KN, T etc
Vertical test space	900mm including fixture
Test speed	0.1~500mm/min (adjustable)
Software	TM 2101
Curves display	Load- elongation, Elongation-time, Time-elongation, Stress-strain
Data display	Max. force, speed, sample information, strength(Kpa, Mpa, N/mm, N/mm ²) etc...

Safety features	E-Stop Over-load protection Upper and lower limit switches Load sensor with automatic retreat
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TM2101 software

The TM2101 software is designed purposely for computer controlled electronic universal testing machine, used for tension, compress, bend, shear, tearing and peel test. With the personal computer and interface plate, it could collect, save, process and print test result. Further it can calculate multiple parameters, i.e. maximum force, yield strength, average peel force maximum deformation, yielding point and elastic modulus; this universal test equipment system is featured in curve process, multi-sensor support, image interface, flexible data process and powerful system function.

0.000 Force 0.000 Stroke

Force-Elong. Force-Time Elong.-Time Multi-Graph TestResult

Shape: Round, Gauge Length: 31.000, Area: 3.342, Width: 0.000, Thickness: 0.000, Outer Dia: 2.000, In. Dia: 0.000, Property: 0.000

Control Value: 100.000mm/min, Control Mode: Break, Control Value: 80.000%, Pause Time: 0.000min, Control Force: 100.00, Test Program: Test

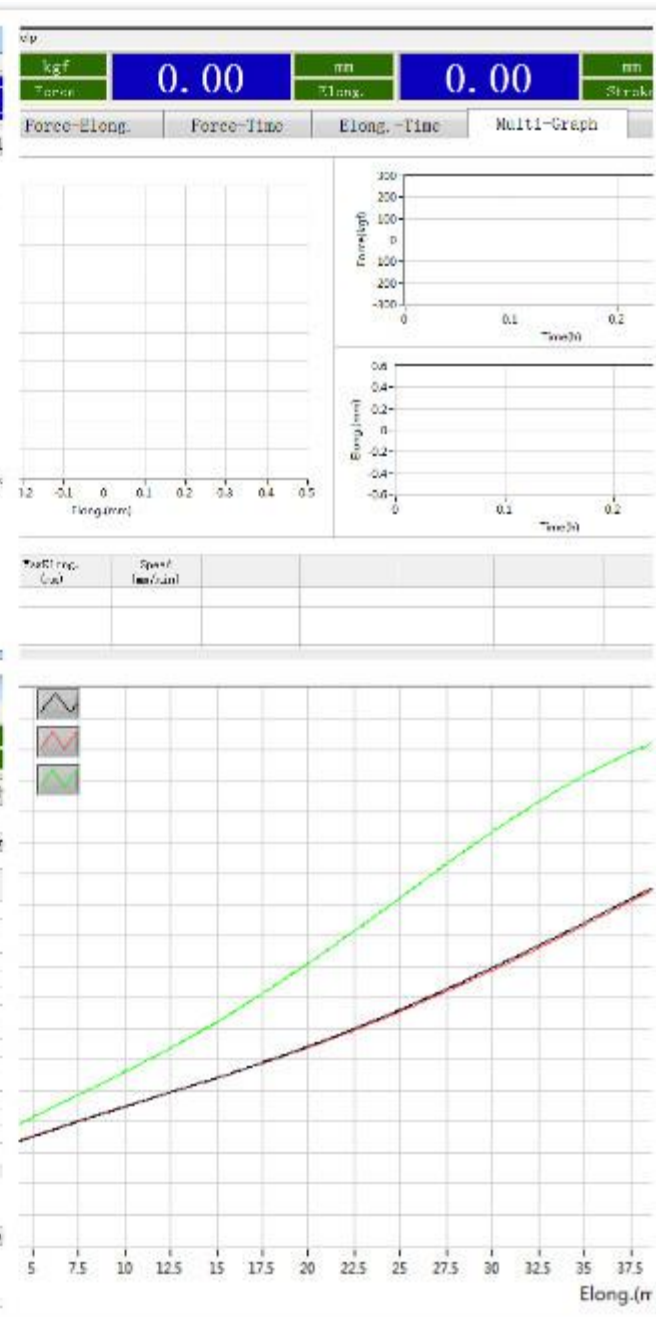
Test Parameters:

- Auto zero force before test
- Auto zero stroke before test
- Auto save after test complete
- Auto return after test complete
- Auto stop break force delay: 0.00
- Break Judge Start: 1, % of Measuring range: 100.000kg
- Sample Rate: High, Medium, Low, Lower

Test Result Table:

Gauge Length/Load Span (mm)	Speed (mm/min)	Force @ Peak (N)	Elong @ Peak (mm)	Tensile Strength (MPa)

Buttons: SaveWithCurrentSpecimen, AnalyzeWithCurrentSpecimen, PrintReport, TestReport, OutputWordReport, OutputExcelReport, OutputHtmlReport, ClearAllRecord, AddRecord, PrintReport, TestReport, OutputWordReport, OutputExcelReport, OutputHtmlReport



Different Clamps can do different Test

Tension machine part of fixture sample.



More jig can be customized according to the test sample.

