



100KN Rubber Tensile Testing Machines High Precise For Peel Strength / Bend Strength



Product Details:

Place of Origin:

Guangdong, China (Mainland)

Brand Name:

HAIDA

Certification:

ISO 9001:2000; ISO 9001:2008; QS-9000; ISO 14001:2004; CE, , SMC, CMC, CPA, CE,CMA,IMC

Model Number:

HD-B611S

100KN Rubber Tensile Testing Machines High Precise For Peel Strength / Bend Strength



APPLICATIONS

1. Tested sample: laminated materials, wood, leather, rubber & plastic, metal material, 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.

Metal

- ASTM E8, EN 10002-1, ASTM A370: Tensile Test
- ASTM A370: Bend Test
- ASTM B-117, ISO 3768: Salt Spray Test
- ISO 6508: Rockwell Hardness Test
- ISO 6507: Vickers Hardness Test
- ISO 6506, ASTM E10-14: Brinell Hardness
- ASTM E23, ISO 148: Impact Test

Main Technical Parameter

Item	Description
Frame capacity	10T
Load cell brand	USA brand transcell load cell for high accuracy 10T (2T, 5T are optional)
Load accuracy	0.5% F.S
Control system	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	1100mm including fixture
Horizontal test space	≤400mm

Test speed	0.1~300mm/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

Product Description

Panasonic Servo Motor 100KN Rubber Tensile Testing Machine is widely used in wires & cables, hardware, metal, rubber, footwear, leather, apparel, fabric, tape paper products, pharmacy and so on, for tensile strength, tear resistance, peel strength, bend strength, shear force , ect with different fixtures according to national and international standards customer required.

Panasonic Servo Motor 100KN Rubber Tensile Testing Machine is a kind of electric tensile tester which uses the motor to drive ball screw to move fixture. Place the fixture with sample between the upper and lower fixture, use a given speed to pull sample upward by upper fixture. Load cell above upper fixture will sense tensile strength, and convert the strength into voltage sign and output to the display screen. And the strength value will be displayed automatically.

TM2101

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 mm Force 0.000 mm Stroke

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

0.000 mm Elong.

Shape	GageLength (mm)	Area (mm ²)	Width (mm)	Thickness (mm)	OutDia (mm)	InDia (mm)	Property
Round	11.500	3.142			2.000		0.000

Control Mode: Break Control Mode: Break Control Value: 10.000% Max Time: 0.000min Control Force: 100.00 Test Process: Cycle Times: Not Processed

Motor: Metric Calibrated
Substr: Blank mm

Reverse: Absolute
Reverse: Absolute
Reverse: Absolute

% of Measuring range
mm
mm

Pop up broken gaugers' host window at test end
 Closed loop Control Filter Coef: 1
 Auto zero force before test Break Cut Point: 0
 Auto zero elong. before test Return Decelerat: 10
 Auto zero stroke before test
 Auto save after test complete When Force >= 1 % of measuring range
 Auto return after test complete
 Auto stop Break Force Delay: 0 %
 Break Judge start: 1 % of Measuring range (20.000kg)

SampleRate: High High Middle Low Lower

Test Result

Zero View Help

00 mm Force 0.000 mm Elong. 0.000

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

Test: Tensile strength Edit Save With Current Specimen Analyze With Current Specimen

Gage Length/LoadSpan (mm)	Speed (mm/min)	Force @ Peak (N)	Elong. @ Peak (mm)	Tensile Strength (MPa)

