



Peel Grips



Grip Reference PT100



Grip Reference PT190



Grip Reference PT250

Description:

Climbing drum peel unit comprising of a flanged drum with integral clamp for holding free end of test assembly. The opposing end is attached to the load cell. The drum is made to rotate by applying tension to the chains attached to the outer rims. This action produces a peel action on the adhesive bond. For ease of handling the drum assembly is supported with Bowden cables.

Used On:

Benchtop materials testing machines

Applications:

For determining the perpendicular peel strength of adhesive bonds between the core and outer skin of sandwich assemblies, typically honeycomb and other composites.

Specifications:

Conforms to BS5350 Part C13, ASTM D1781
 Max. Capacity 5 kN / 1,000 lbf
 Min Loadcell 100 N / 20 lbf
 Drum diameter 102 mm / 4 in
 Max Sample Width 75 mm / 3 in
 Weight Top Clamp 900 g / 2 lb
 Weight Drum assembly 2.5 kg / 5.5 lb
 Temperature Limits -30 to 200 °C

Description:

The 90 degree peel unit is comprised of a moving test plate mounted on bearings. To maintain a constant peel angle, the test plate is driven in unison with the testing machine crosshead via a cord and pulley system. The PCB sample is retained on the test plate with a slotted clamp plate. An HT50 grip is supplied to grip the PCB copper strip.

Used On:

Benchtop materials testing machines

Applications:

Specifically designed for peel testing the bond between copper and printed circuit boards (PCB).

Specifications:

Max. Capacity 1.5 kN / 300 lbf
 Min Loadcell 50 N / 10 lbf
 Max Sample Width 50 mm / 2 in
 Max Sample Length 150 mm / 5.9 in
 Test Plate Length 177 mm / 7 in
 Temperature Limits -20 to 100 °C

Description:

90 degree peel unit has a servo driven test plate on which various substrates can be attached. A separate control unit is supplied that enables the operator to set the speed of the test plate to accurately correspond with the speed of the testing machine – this maintains a constant peel angle. An HT50 grip is supplied to grip the free end of the sample.

Used On:

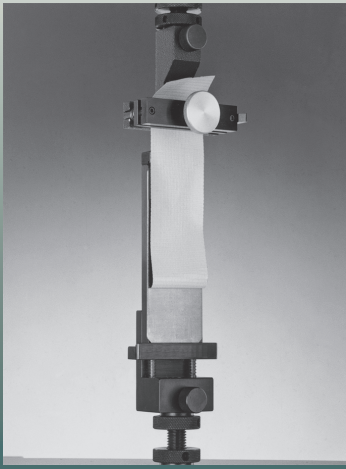
Benchtop materials testing machines

Applications:

90 degree peel testing of pressure sensitive tapes.

Specifications:

Max. Capacity	250 N / 50 lbf
Min Loadcell	50 N / 10 lbf
Max Sample Width	50 mm / 2 in
Max Peel Length	250 mm / 10 in
Speed Range of Test Plate	1 to 1000 mm/min
Control Unit Power	22/240 VAC, 50/60 Hz, 20W
Temperature Limits	0 to 40 °C

**Description:**

180 degree peel unit comprising of a test bed with a spring loaded retaining plate for locating various test panels on which the peel sample is bonded. An HT50 grip is supplied to grip the free end of the sample.

Used On:

Benchtop materials testing machines

Applications:

Flexible pressure sensitive tapes, labels and laminated coatings.

Specifications:

Max. Capacity	1.5 kN / 300 lbf
Min Loadcell	50 N / 10 lbf
Max Sample Width	50 mm / 2 in
Test Plate Length	200 mm / 8 in
Weight	675 g / 1.49 lbf
Temperature Limits	-70 to 100 °C

High and low temperature options available for use in temperature chambers.

Specifications subject to change without notice.

Contact Your Local Representative:



1065 Easton Road
Horsham, PA 19044 USA
(215) 675-7100
Fax (215) 441-0899
www.TiniusOlsen.com
info@TiniusOlsen.com

6 Perrywood Business Park
Honeycrock Lane, Salfords
Redhill, Surrey RH1 5DZ England
+44 (0) 1737 765001
Fax +44 (0) 1737 764768