



## SPC-01 Stretch Film Peel Cling Tester

### Background

A strong cling adhesion of stretch film ensures a secure bond between the outer packaging layer and the goods, enhancing their stability on pallets. Stretch film finds extensive applications, and assessing its peel cling quality enhances film toughness, elasticity, and support.

To test peel cling, two sample types are prepared. The first, a larger piece, serves as the substrate or backing, while the second, a smaller strip, is peeled from the larger sample. This test evaluates the film's adhesion performance effectively.

### Application

The SPC-01 Peel Cling Tester measures the adhesion between two layers of film, helping assess the stretch wrap material's ability to adhere effectively.

The SPC-01 Peel Cling Tester stands as a reliable and indispensable tool in materials testing, providing precise measurements that contribute to the enhancement of product quality and safety across diverse sectors.

### Standard

ASTM D5458 Standard Test Method for Peel Cling of Stretch Wrap outlines a method for quantifying the adhesion strength between two film layers. This test helps determine which of the two layers (external or internal) exhibits a stronger or weaker adhesion.

### Technical Features

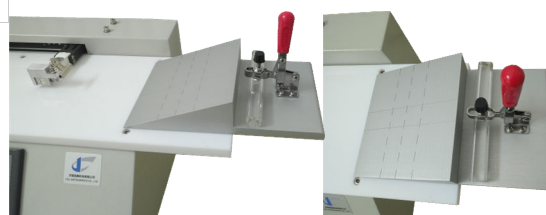
1. 7-inch TFT touch screen for user-friendly operation (Human-Machine Interface).
2. Internal PLC control unit for reliable performance.
3. Precision ball screw ensures accurate speed and displacement.
4. Adjustable test speed.
5. Different load cell connections with the sample eliminate interference typically caused by friction and gravity from pulleys and strings used in traditional methods.
6. Equipped with a limiting device and automatic return function.
7. Real-time display of the test curve and peak value recording.
8. Supports elongation rates of 50%, 100%, and 200%.
9. Includes an embedded microprinter.
10. Addition of a coefficient of friction function is optional.

### Main Parameters

Test Range	5N (Standard)
Stroke	199mm
Test Speed	125mm/min
Displacement Accuracy	0.01mm
Force Accuracy	0.5% F.S.
Control	PLC and HMI touch screen
Data Output	Screen, Microprinter, RS232(optional)
Power Supply	110~220V, 50/60Hz

### Relative Models

COF-01 Coefficient of Friction Tester  
 TST-01 Tensile Tester  
 (ASTM D5748 Protrusion Test)  
 FPT-01 Friction and Peeling Tester



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