



## SPC-01 Peel Cling Tester With COF Feature

### Background

A strong cling adhesion of stretch film secures the packaging to the goods, enhancing pallet stability. Assessing peel cling quality improves film toughness, elasticity, and support. For testing, a larger piece serves as the substrate, and a smaller strip is peeled from it to evaluate adhesion performance.



The coefficient of friction (COF) test in packaging materials measures the resistance to sliding between surfaces. It's crucial for determining the ease of handling, stacking stability, and overall performance of packaging materials. The test involves measuring the force required to slide one surface over another, providing insights into the material's grip and stability. This information is essential for optimizing packaging design and ensuring the safe transport and storage of goods.

### Application

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. With additional COF test features, the SPC-01 can also work as a coefficient of friction tester to conduct ASTM and ISO-conformed static and kinetic COF measurements.

### Standard

ASTM D5458 Standard Test Method for Peel Cling of Stretch Wrap Film  
ISO 8295 Plastics-Film and sheeting-Determination of the coefficients of friction  
ASTM D1894 Standard Test Method for Static and Kinetic Coefficients of Friction of Plastic Film and Sheeting

### 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. Direct load cell connections with the sample eliminate interference
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 rate display of 50%, 100%, and 200%.
9. Includes an embedded microprinter.
10. Addition of a coefficient of friction function is included.

### Main Parameters

Test Range	5N (Standard)
Stroke	199mm
Cling Test Speed	125mm/min
Sled	200±1g
Sled Size	63.5mm*63.5mm
COF Test Speed	100mm/min (ISO), 150mm/min (ASTM)
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

*The Company reserves the right to update, modify, or amend this Catalog without prior notice.*

**Cell Instruments Co., Ltd.**

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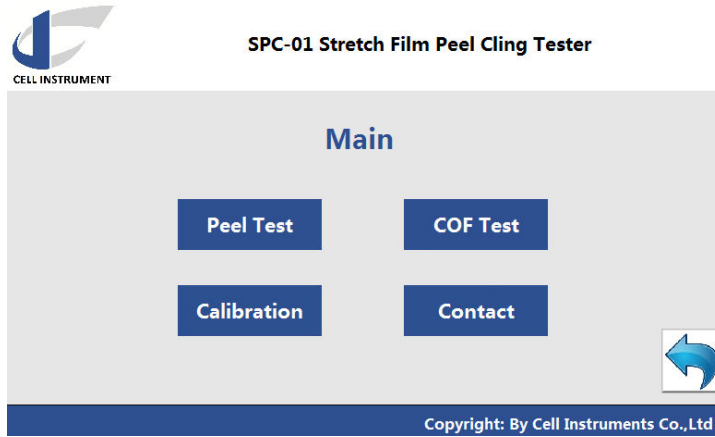
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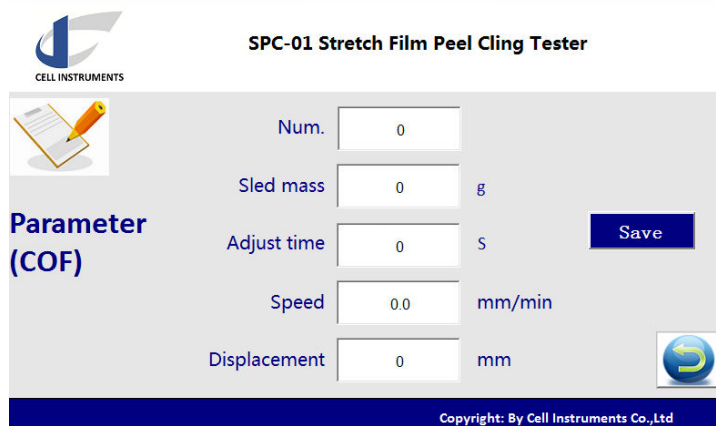
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## SPC-01 Peel Cling Tester With COF Feature

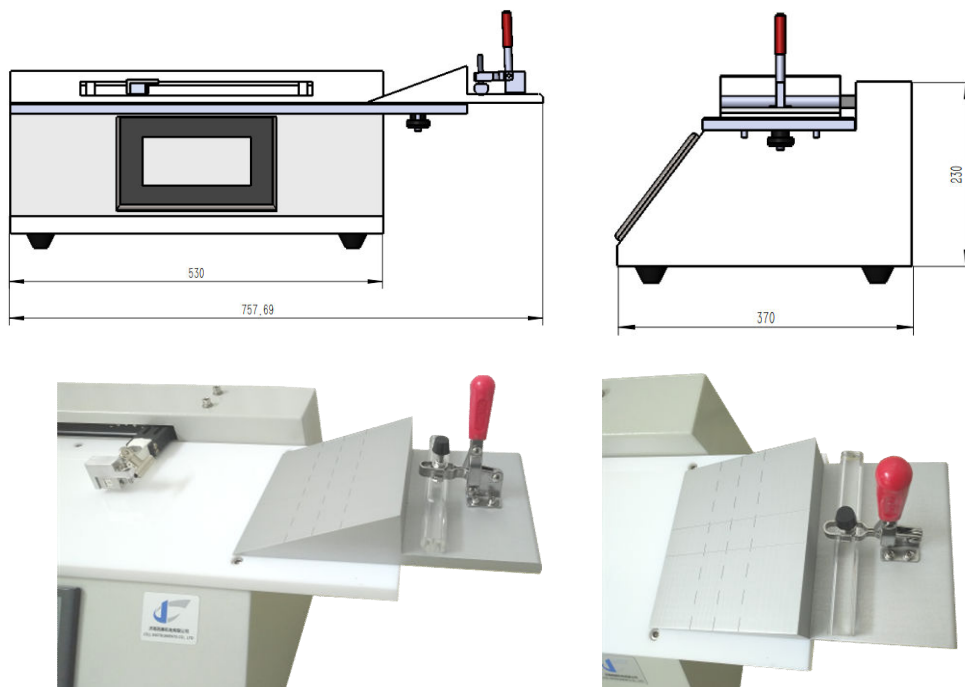
### Main Menu



### COF Test Menu



### Dimensions



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