

Peeling and Bond Strength Tester for Thermoplastic Surfaces

This tester measures the strength of heat seals formed between thermoplastic surfaces immediately after the seal has been made and before it cools. It integrates hot tack, heat seal, peeling, and tensile test items into one instrument.



ADDITIONAL IMAGES



Product Overview

Precision Strength Testing

This Peeling and Bond Strength Tester is a comprehensive solution designed to measure the strength of heat seals formed between thermoplastic surfaces. It integrates hot tack, heat seal, peeling, and tensile testing capabilities into a single, efficient instrument. Equipped with advanced PLC control and a 7-inch touchscreen interface, it provides precise, repeatable data for quality control and research applications.

Technical Specifications

Sealing Temperature Range	250 °C
Temperature Accuracy	0.2 °C
Sealing Pressure Range	0.15 - 0.7 MPa
Dwell Time Range	0.1 - 9999 s
Load Cell Capacity	200N (Optional: 30N, 50N, 100N, 500N)
Measurement Accuracy	0.5 F.S.
Stroke Length	500 mm
Sealing Jaws	50mm x 10mm Teflon Coated, Double Heating

Features

Key Features

- Integrated hot tack, heat seal, peeling, and tensile test modes
- 7-inch TFT touchscreen interface
- PLC-controlled operation
- Aluminum encapsulated sealing jaws for uniform heating
- Adjustable testing speed
- Auto zeroing with overload and over-travel protection
- Manual and foot switch start options
- RS 232 port for data connectivity

Compliance

Compliance Standards

ASTM F1921, ASTM F2029, QB/T2358, YBB 00122003