



Hot Tack Tester and Seal Tester SL-10

Model 75–50

The 75–50 SL-10 Hot Tack Tester and Seal Tester, is the most precise and consistent heat seal tester in the packaging industry!

Testing capabilities include heat sealing, heat seal testing and hot tack testing. The SL-10 Hot Tack and Heat Seal Tester provides critical information needed to determine ideal sealing conditions for packaging films.

Standard Features:

- Conforms to ASTM F1921 for hot tack seal testing
- Direct touch color screen
- Computer controlled pressure, temperature and dwell time
- Windows® 7 Professional 32-bit operating system
- Ethernet port, Printer Port, 2 USB Ports, PS/2 Keyboard Port, VGA Monitor Port
- Independent upper & lower sealing temperatures
- Dual load cells for consistent sealing surface pressure
- Measures actual dwell time on the sealing sample
- Safety guards and switches for safe operation
- Microsoft® Office Suite
- Case with hardware
- Conforms to ASTM F2029 Standard Practices for Making Heatseals for Determination of Heatsealability of Flexible Webs as Measured by Seal Strength

Optional Features:

- Quick Change Seal Jaw Inserts with any seal pattern
- Manual Sample Loading Tray
- Automatic Sample Loading Tray (recommended to eliminate potential operator inconsistencies while inserting film samples)
- Hot tack/Automatic seal puller
- Phenolic seal jaw tray
- Footswitch
- On-site training

Benefits:

The SL-10 Hot Tack Tester and Seal Tester's touch-screen computer allows the operator to quickly change key parameters such as pressure, temperature and dwell time.

The built-in dual load cells measure the actual force applied to the film. The computer controlled temperature is assured to $\pm 1.1^{\circ}\text{C}$ ($\pm 2^{\circ}\text{F}$) across the entire width of the film sample.

The SL-10 Hot Tack Tester & Seal Tester is equipped with a full capacity computer that automatically compiles and graphs test results. The operator can easily recall and view stored test results. Printer and data ports allow the user to create reports and communicate information quickly and accurately.



Patented Hot Tack attachment mounts to the front of SL-10 base unit



Computer Specifications:

- Operating System: Windows® 7 Professional 32-bit
- CPU: I5 Intel 2.4GHz M520
- Memory: 4GB DDR2 RAM
- Hard Drive: 320GB 2.5" SATA
- Optical Drive: DVDRW/CDRW SATA
- Interface: 15" LCD Touch Screen

Direct Touch Color Screen:

The direct-touch color screen allows the user to quickly change the test parameters (pressure, temperature and dwell time), and will automatically graph test results. Test interfaces include: Heat Seal, Seal Test, Hot Tack, Seal Test Profile, and Hot Tack Profile.

Excel® Worksheets:

Excel® Export

When used with Microsoft Excel® the SL-10's program can export test results and parameters to a spreadsheet automatically. This spreadsheet provides a graphical representation of the data, individual test results, averages, and calculates standard deviation for each test group.

Available exporting scenarios include: Individual Overlay, Profile Overlay, Temperature Group Export, and Profile Export.

Automatic Sample Loading Tray:

The automatic sample loading tray assures accurate test results by eliminating any chance of user inconsistencies in testing procedures. The automatic tray inserts the sample without variation and enhances safety.



External ports:

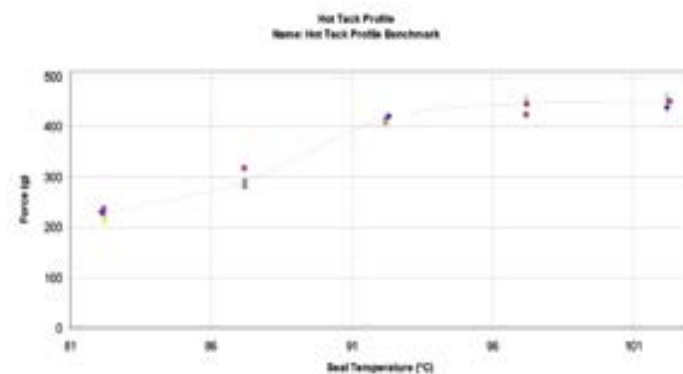
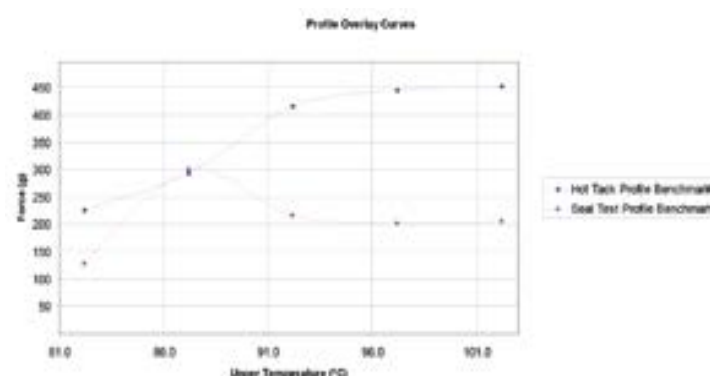
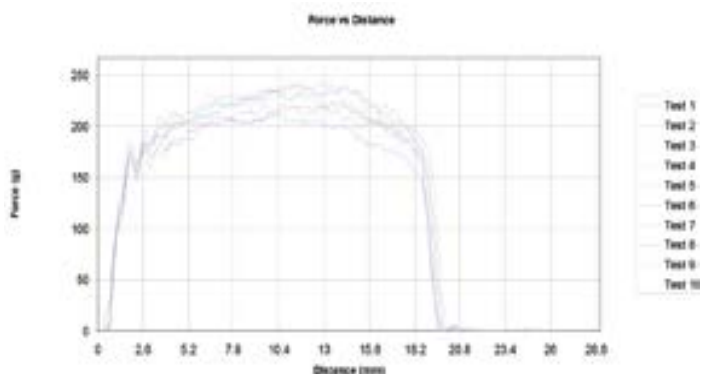
Support for Ethernet, Modem, Printer, Video Out, PS2 Keyboard, and 2 USB devices

The SL-10 is equipped with a variety of communication ports for fast and accurate reporting. Test results can be communicated by Ethernet, USB devices or can be sent to an external printer. There are also convenient connections for keyboard, mouse and external monitor.



Technical Specification:

Applications:	Burst Testing
Materials:	Aluminum, Foil, Film, Plastics and Polymers
Power:	110V to 240V 50/60 Hz, 1000 VA
Air (clean, dry):	90psi – 120psi (90 psi is recommended)
Width:	23in (584 cm)
Depth:	20in (50.8 cm)
Height:	33in (83.8 cm)
Weight:	200 lbs. (90.7 kg)
Sealing temperature range:	Ambient – 400°C
Resolution:	± 0.1 °C (32.18 °F)
Measuring accuracy:	± 0.15 °C (32.27 °F)
Hot tack load cell capacity:	111.2n (11.3kg)
Accuracy:	0.1% full scale
Peel rate:	0.04 – 7.87in/sec (1-2000mm/sec)
Seal load cell capacity:	4448.2n (453.6kg)
Accuracy:	0.89n (0.09 kg)
Calibration:	ASTM E-4
Sealing pressure (actual pressure applied per unit of film) range:	137.9kpa – 2758 kpa (20 psi -400 psi)
Resolution:	.68kpa (.1psi)
Sealing dwell time range:	0.20s – 99.99s
Resolution:	10ms
Control accuracy:	± 0.025 ms
Sealing jaw options:	Length 8.0 in (20.32 cm) maximum width 0.5 -1.00 in (12.7 – 25.4 mm)
Seal surface:	Flat, vertical, horizontal, custom or standard geometry. *all jaws designed for quick & easy changeover



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