



HTH2 - Hot Tack Heatsealer



Benefits

- Documentation of hot tack seal strength through ASTM F1921-98 compliance.
- Reduce Scrap through optimization of your Heatsealing operation.
- Determine Optimum Sealing conditions for your operation.
- Understand the Hot Tack Strength of new materials before going to production.
- Test and Develop new Heatsealing methods or materials without lost production time.

Description

The Dynisco Hot Tack Heatsealer is the most versatile system available for film seal strength testing. The HTH2 has superior timing precision (timing accuracy of ± 2 ms) and temperature accuracy with automatic calibration ($\pm 0.2^{\circ}\text{C}$) and commercial machine simulation capability. The HTH2 is a critical tool for any producer of flexible packaging who wants to save time and money.

Unmatched Test Accuracy, Repeatability and Operating Ease

Four Machines In One

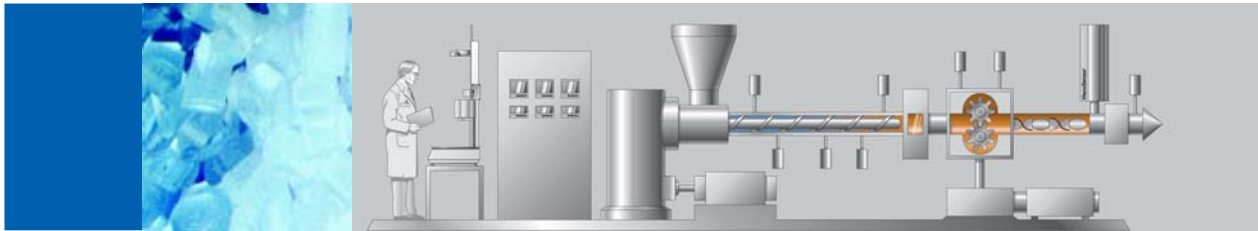
- Hot Tack
- Heatsealing
- Heatsealing & Ultimate Strength
- Peel Strength of Heatseals or Laminations

LABSEAL Operator Interface

Operating in the popular Windows environment on standard personal computers, LABSEAL provides advanced programming, control, analysis and data storage capability. The powerful menu driven interface allows users ease and flexibility during test set up, instrument control, data acquisition, graphing, quantitative data analysis, calibration and printing of test results.

Automatic Operation

The HTH2 automatically configures itself to perform any of the tests as selected from the new LABSEAL computer menu. The LABSEAL software allows the operator to change all test parameters and download recipes to the HTH2 with a very intuitive setup screen. Test samples are loaded with ease and the test is completed within seconds.



Specifications

Sealing Temperature

Range 50 - 400°C
 Resolution 0.1°C
 Accuracy ± 0.2°C
 Control Band ± 0.2°C
 Calibration Automatic

Dwell Time

Minimum 25 ms
 Maximum 20+ s
 Resolution 1 ms
 Accuracy ± 2 ms

Sealing Pressure

Maximum 4,134 kPa/600psi
 Minimum 13.8 kPa; 2 psi
 Graphic Pressure vs Time

Sealing Dies

Flat Steel, Cu, Al; Bare or Coated
 Serrated 60°, 90°, 120°; Vertical or Horiz.
 High Temperature Water Cooled

Seal Load Cell

Capacity 2224 N; 500 lb
 Accuracy ± 0.7 N; 0.15 lb

Peel Load Cell

Capacity 11.34 Kg; 25 lb
 Accuracy ± 0.03 N; 3.4 gr
 Grip Separation Rate 24 - 425 cm/min; 10 - 167 ipm

Utilities

Air 4 Bar; 60 psi
 Power 100 - 240 VAC; 50/60hz; 1.2 Kw
 Bench Space w/o computer 60Wx46Dx60H cm
 24Wx18Dx24H"

Graphical Outputs

Cooling Curve: Seal Strength vs Time
 Hot Tack Curve: Seal Strength vs Temp.
 Seal Profile: Seal Strength vs Position
 Ultimate Strength: Seal Strength vs Temp.
 Sealing Pressure: Pressure vs Time

