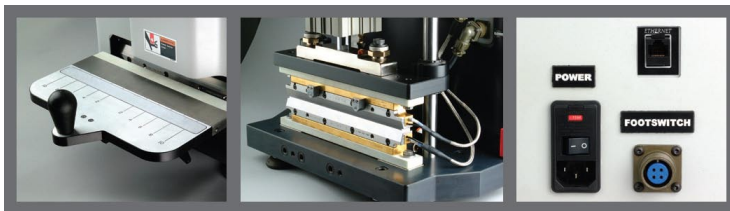


# SL-5 PLC Heat Sealer

**LAKO TOOL & MFG., INC.** IS PROUD TO INTRODUCE THE **SL-5 PLC Heat Sealer**. The **SL-5 PLC Heat Seal Tester** is an extremely accurate heat sealer designed to enhance heated crimp seals for the flexible packaging industry. The PLC controlled heat sealer, with its touch screen and accurate sealing ability is easy to operate. By simply changing the values on the touch screen which include, sample size, pressure, temperature and dwell time, the operator can quickly change the variables from test to test. The **SL-5 PLC Heat Seal Tester** insures sealing consistency for each sample. The built-in dual-load cells measure the actual force applied to the film. The PLC 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-5 PLC Heat Seal Tester** stores the test results which can be easily recalled and viewed. The optional communications port allows the operator to quickly communicate test results for reporting purposes.



▲ Manual Loading Tray

▲ Quick Change Seal Jaws

▲ Footswitch, Power Module & Ethernet Port

## Optional Features

- Additional quick-change seal jaw inserts with any seal pattern 5 to 12 in long (12.7 to 30.4 cm)
- Manual sample loading tray accepts film 2 to 12 in wide (5 to 30.4 cm)
- Auto cooling (*Lowers Temperature Faster*)
- Ethernet connection with software for data collection
- Footswitch
- Phenolic seal jaw tray
- On site training

## Standard Features

- Direct-touch color screen
- PLC controlled pressure, temperature and dwell time
- Independent upper and lower sealing temperatures
- Dual-load cell design for accurate and consistent sealing surface pressures
- Measures actual dwell time on the sealing sample
- Stores data for each test run
- One pair of Quick-Change Seal Jaw Inserts 5 to 12 in long (12.7 to 30.4 cm) with desired seal pattern (*The quick-change seal jaw inserts allow the operator to change the sealing pattern in a matter of minutes without having to change heaters or wiring*)
- Safety guards and switches for safe operation
- Case with hardware
- Conforms to ASTM F2029 Standard Practices for Making Heatseals for Determination of Heatsealability of Flexible Webs as Measured by Seal Strength

# SL-5 PLC Heat Sealer

## Performance Data

### Sealing Temperature

|                    |                          |
|--------------------|--------------------------|
| Range              | Ambient - 400°C (752 °F) |
| Resolution         | ± 0.1°C (1.8 °F)         |
| Measuring Accuracy | ± 0.70°C (1.26 °F)       |
| Control Band       | ± .2 °C (0.36 °F)        |

### Sealing Pressure (actual pressure applied per unit of film)

|            |   |
|------------|---|
| Range      | 137.9 kPa - 4830 kPa (20 psi - 700 psi) |
| Resolution | 0.7kPa (0.1 psi)                        |

### Sealing Dwell Time

|                  |                |
|------------------|----------------|
| Range            | 0.50 - 99.99 s |
| Resolution       | 10 ms          |
| Control Accuracy | ± 0.025 ms     |
| Repeatability    | ± 10ms         |

### Dual Load Cells - left & right

|               |                             |
|---------------|-----------------------------|
| Capacity      | 1000 lbs. total (362 kg)    |
| Accuracy      | 0.2 lbs. or less, (0.09 kg) |
| Repeatability | 0.2 lbs. or less, (0.09 kg) |
| Calibration   | ASTME-4 standard            |

### Sealing Jaw Options

|              |   |
|--------------|---|
| Length       | 12 in (30.4 cm) Maximum                                 |
| Width        | 0.197 - 1.00 in (5 - 25.4 mm)                           |
| Seal Surface | Flat, Vertical, Horizontal, Custom or Standard Geometry |

\*All jaws designed for quick & easy changeover

### Machine Requirements

|                  |   |
|------------------|---|
| Power            | 110V to 240V 50/60 Hz, 1000VA   |
| Air (clean, dry) | 90psi - 120psi (90psi recommended) Minimum pressure switch is built in. |

### Physical Specifications

|           |   |
|-----------|---|
| W x D x H | 23 in x 17 in x 26-3/8 in (58.4 cm x 43.1 cm x 68 cm) |
| Weight    | 145 lbs. (65.75 kg)                                   |



For more information on **Lako's SL-5 PLC Heat Sealer**, or any of our products, contact **Testing Machines Inc.** at 631-439-5400 or email: [info@testingmachines.com](mailto:info@testingmachines.com)

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