



An economic Laboratory Heat Sealer to help determine the sealing parameters of film, laminated films, coated paper and other flexible barrier materials.

The IDM lab Heat Sealer is used to measure the heat sealability of the web surface or sealant layer of materials. Short dwell time web sealability can also be performed on the LHS. This is a test seal that is made at a dwell time shorter than required for the sealing surface to reach the jaw temperature level, simulating conditions on high-speed vertical form-fill machines or slower machines where the condition of non-equilibrium also exists.

Criteria of judging heat sealability is the strength of the actual heat seal. Parameters include heat seal temperature, dwell time and the pressure of the heat seal for materials that have different melting points, heat stability, fluidness and thickness; All of which could vary the heat seal properties.

Applications:

- Flexible Packaging
- Plastic Films
- Plastic Laminates
- Coated Paper

Features:

- Easy Touch Screen LCD Display
- Accuracy of temp Ambient to 300°C \pm 1°C
- Accuracy of temp over 180mm (W) \pm 5°
- Fixed Sealing Bars
 - The L0001-ECO-S series offers a fixed sized heated upper sealing bar and a lower silicon bar
- Teflon Covered bar
- Adjustable Sealing Pressure
- Sealing Time Variable: 0 – 999.9s
- Air Pressure: 0.5MPa – 0.7MPa
- Foot Switch operation
- RS232 Port
- Safety Guard



Benefits:

- Easy to use
- Fast results
- Accurate

Standards:

- ASTM F2029
- ASTM F88



Options:

Heat seal surface sizes made to order:

- **L0001-ECO-S1:** 5mm x 180mm
- **L0001-ECO-S2:** 10mm x 180 mm
- **L0001-ECO-S3:** 15mm x 180 mm
- **L0001-ECO-S4:** 25mm x 180 mm
- **L0001-ECO-S5:** 10mm x 180mm

Connections:

- **Air:** 80psi maximum
- **Electrical:** 220/240 VAC @ 50 HZ
or 110 VAC @ 60 HZ
(please specify when ordering)

Dimensions:

- **H:** 380mm
- **W:** 400mm
- **D:** 280mm
- **Weight:** 40kg

Related Items:

- Use Mark-10 Motorised Test Stand with Peel Fixtures for testing the seal strength after using IDM's LHS. More information can be downloaded from IDM's website.

