

HSE-3 MULTI-JAW 3 or 5 BAR HEAT SEALER HEATED TOP OR TOP/LOWER



The satisfactory development, manufacture, conversion and application of flexible packaging films necessitates the implementation of precise methods of quality control systems.

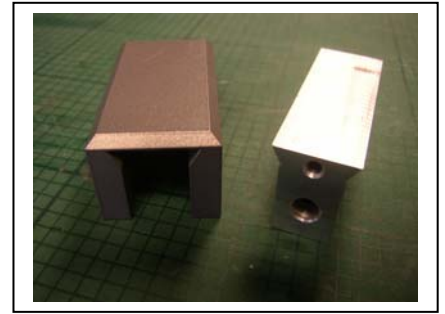
Efficient determination of heat seal thresholds is achieved with this multi-jaw heat sealer. Up to 5 pairs of jaws can be fitted with independent temperature control providing a temperature gradient on the film.

Especially suited for flexible packaging materials, laminates, foils and paper, the HSE-3 multi-jaw features accurate control of temperature, pressure and dwell time of a standard surface area sealing jaw.

With the introduction of a standard test method ASTM F2029-00 and our heat sealer HSE-3 multi-jaw, you can be confident that your heat seal threshold measurement is common to all producers, converters and end users of flexible packaging materials and their eventual applications.

Meets ASTM F-2029-00 (only when top/lower jaw heated)

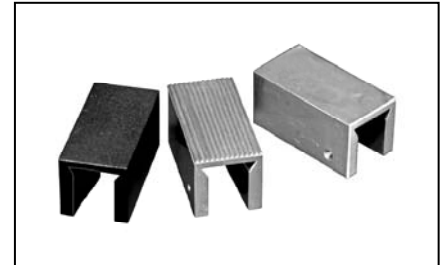
Each jaw is 25mm x 50mm and the standard option is to have ground flat face but other options including crimp profiled jaws are available. The HSE-3 multi-jaw also features an easy change over jaw arrangement, with Slide-on dovetail components. Standard flat ground surface jaws are supplied together with a silicone rubber lower jaw. Profiled/Crimped jaws are available with 120° x 1.8mm pitch crimp.



SPECIFICATION:

Temperature Control:	0 - 300°C (0 - 572°F) 0.1°C resolution +/- 0.5% +/- 1 digit accuracy. Operating temperature accuracy +/- 2°C. Resistance Type 'J' thermocouple sensing. Single independent or dual independent control
Pressure:	0 - 100psi (0 - 6.8 bar, 0 - 689 Kpa) via digital display and transducer. Pressure control through precision regulator. Repeatability +/-0.02 PSI Operation accuracy +/- 5% Supply via factory compressed air line or nitrogen or compressed air bottles min 6 bar (90 psi) max. 7 bar(100 psi). Pressure medium must be clean and dry.
Dwell Time:	0.01 - 99.9 sec. 0.01 sec resolution real time base via quartz crystal +/- 0.01% of range. Operating accuracy +/- 5% (taking into account friction in piston movement).
Delay Time:	0.1 - 99.9 sec. 0.1 sec resolution real time base via quartz crystal , +/- 0.1% of range. Assists with the correct alignment of the pouch/bag/sample.
Footswitch:	Connection port for footswitch operation. Optional footswitch.
Sealing Jaw Std:	Single jaw option: Top heated with silicone rubber (60 shore hardness) 5mm - 25mm wide x 50mm long. Jaws made from aluminium with machine ground flat face. Dual jaw option: Top and Lower heated 5mm -25mm wide x 50mm long. Jaws made from aluminium with machine ground flat face.
Power:	240V AC 50/60 Hz (110V AC voltage available on request)
Option:	Footswitch PVC Dust cover Crimp profiled slide-on jaws 120 deg x 1.8 mm pitch. Cold Seal Option (temperature circuit removed) supplied with flat or crimp profiled jaws. Teflon coated tape or permanent Teflon coating Digital thermometer and s/s band probe to check the actual temperatures of sealing Jaw.

Ground flat sealing bars



Crimped profile sealing jaws matching pair. Normal size 25mm x 50mm but can be anywhere from 5mm up to 25mm wide x 50mm long.



Thermometer and s/s band surface probe to check jaw temperatures.