

HS-650 Heat Sealer

Special 650mm Wide



This heat sealer has been specifically designed to seal wider packages specifically in the medical devices industry. The sealing head can be constructed of stainless steel components to meet the requirements of clean room environments, otherwise normally manufactured from anodised aluminium. The machine is based on the standard HSE-3/HSB-1 heat sealing machine and is therefore very similar to operate (see spec. sheet for HSE-3/HSB-1). The sealing jaw is guided each side to ensure smooth and straight movement, the lower jaw being silicone rubber (single heated version) is self adjusting for alignment. The normal precautions have been made to meet EC machinery directives for safety with an interlocking guard switch on the front guard, emergency stop button etc. The unit can be operated by push button on the control panel but normally via the footswitch. The tray support allows the product to be placed on the machine and then easily presented to the sealing jaws. The jaws are positioned close to the front guard to minimise the gap. The tray also features an adjustable back stop to align the pouch for each seal.



The control panel can be separate or integral to the sealing head, when separate it is connected via ABS electrical conduit which encloses the electrical and air pipe connections.



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The controls are similar to the standard HSE-3/HSB-1 and therefore easy to set up. The control of temperature and pressure features alarms, for warning of actual values moving outside the alarm bands. An audible sound is made and an inhibit is switched on, to prevent any further seals being made until the alarm has been cleared. The Sealing bar features heat pipe technology to ensure the stability of the temperature is kept to its best performance, usually no more than 2 deg C gradient across the length of the bar.



Control Panel



Control panel and sealing head mounted to stainless steel trolley (optional)



Enclosed construction with guided sealing bar



Rear of machine wing ABS electrical conduit connection



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Features

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 pressure display. Control of pressure via precision regulator. Repeatability +/- 0.02 psi Operating accuracy +/- 5% Supply via factory compressed air line or nitrogen or compressed air bottles min 6 bar (90 psi) max. 10 bar(145 psi). Pressure medium must be clean and dry.

Dwell Time: 0.1 - 99.99 sec. 0.01 sec resolution real time base via quartz crystal, digital timer +/- 0.01% of range, Operating accuracy +/- 5% (taking into account friction in piston movement)

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 650mm long. Jaws made from aluminium with machine ground flat face.

Dual jaw option: Top and Lower heated 5mm -25mm wide x 650mm long. Jaws made from aluminium with machine ground flat face.

Environment: 5-50C ambient operating temperature, RH 75% max (non-condensing)

Power: 240V AC 50/60 Hz (110V AC voltage available on request)

Options: Footswitch. PVC Dust cover. Up-grade to digital pressure readout with calibrated pressure transducer. Up-grade to digital dwell timer. Alarm package for temperature over and under band (selectable). Pressure High/ Low alarm. When alarm activated audible alarm sounds and inhibit of sealing initiated. 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 650mm but can be anywhere from 5mm up to 25mm wide x 650mm long.

