

HSX-1 LABORATORY HEAT SEALER

TOUCH SCREEN PRECISION LABORATORY HEAT SEALER FOR PRODUCTION OF REPEATABLE HIGH QUALITY HEAT SEALS AND DETERMINATION OF HEAT SEAL THRESHOLD. PRODUCES SEALS 5 TO 25MM WIDE AND UP TO 400MM LONG.



Benefits:

- Choose heat sealing bar configuration, either single (upper) or dual (upper & lower, meets ASTM F2029)
- User can easily change sealing bar for various surface areas or surface finishes
- Accurate and repeatable seals due to precision ground sealing faces and advanced jaw guidance system
- Versatile applications for flexible materials, blister packs and pots
- Low Maintenance - 12 months between calibrations

Features:

- 5.7" touch screen controller for precise control of temperature, pressure and dwell time
- Memory recipe function for quick and accurate recall of settings
- Precise pressure calibration of standard surface area jaw face
- Jaws constructed in aluminium and silicon with precision ground faces
- Range of jaw face surfaces including Matched Crimp and Teflon Coating
- Auto cycle feature for greater user convenience with multiple samples and cycle counter



Settings screen for all control parameters



Temperature and pressure calibration screen



RDM Test Equipment
Unit 39 Golds Nurseries Bus. Park
Jenkins Drive, ELSENHAM
Hertfordshire, CM22 6JX, UK

Specification

Seal Width	400 mm max.
Controller	5.7" Touch Screen TFT LCD 320 x 240 colour display. IP565 rated. Footswitch operation.
Temperature Control	Range: Ambient to 300°C, Accuracy: +/- 0.5%, Operating Accuracy: +/-2°C. Single (Upper) sealing jaw temperature control, or Dual (Upper & Lower) sealing jaw temperature control . User definable alarm for over/under set level.
Pressure	Range: 0 to 100psi (6.8bar, 689Kpa), via Electronic pneumatic E/P regulator. Accuracy +/-1%. User definable alarm for over/under set level. Supply via clean and dry compressed airline or bottled air/nitrogen at 90 to 100psi
Dwell Time	Range: 0.1 to 99.9 sec., Resolution 0.1 sec
Auto Cycle & Delay Time	Delay Time Range: 0.1 to 99.9 sec For automatic cycling of sealing bars used in manual production environments. Assists with correct alignment of sample. Electronic processor controlled.
Jaw Guidance System	Advanced jaw guidance system guarantees even closure, resulting in consistently high quality seals.
Pre-Heat Cycle	User definable variable time interval, electronic processor controlled.
Cycle Counter	Electronic counter for seals completed.
Sealing Jaws	Standard flat jaws 25mm x 400mm, constructed in aluminium with precision ground face. Lower sealing jaw with precision ground silicone rubber face. (See options below)
Environment:	5-50C ambient operating temperature, RH 75% max (non-condensing)
Power	240V AC 50/60 Hz (110V AC voltage available on request)

Options

- Single (Upper) sealing jaw temperature control or Dual (Upper & Lower) sealing jaw temperature control
- Sealing jaw dimension/profile as required (inc. Matched crimp 120° x 1.8mm pitch)
- Stainless Steel sealing jaws
- Teflon Coated Tape or Teflon Coated Jaws
- Blister Pack Simulator sealing jaw
- Additional Blister tray
- Digital thermometer with s/s band probe to check jaw temperature (see image)



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