

FALCON 5x5 SERIES

MULTI-PURPOSE REFLOW SOLDERING SYSTEM

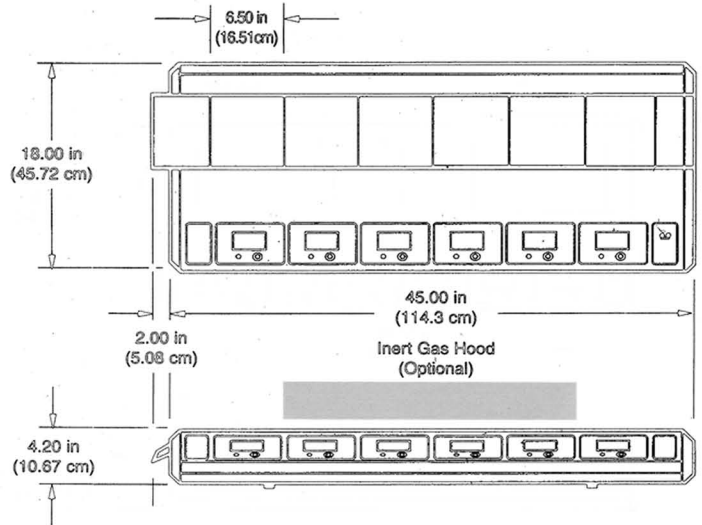
Sikama's multi-purpose table-top unit can be used either as a solder reflow system or as a linear oven for curing and drying applications. The system is ideally suited for all SMT and hybrid reflow soldering applications. Double-sided boards may be processed with fixtures. When used as an epoxy cure system, the Sikama 5x5 achieves rapid cure times with excellent adhesion and low volume resistivity in conductor materials.



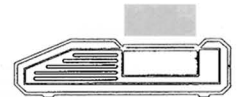
The Falcon 5x5 comes fully equipped and ready to operate with 208/230 V 50/60 Hz power. Single and three phase are available. Process flow may be left to right or right to left (specified at manufacture.)

The system may be specified with three, four or five individually controlled heating zones, each with digital display and always maintaining better than $\pm 2^{\circ}\text{C}$ of set temperature. Microprocessor control provides an over/under temperature alarm and process obstruction alarm.

Heating/curing temperatures to 400°C are standard. Process is always visible and accessible. Falcon Systems accept a wide range of substrate materials including ceramic, glass/epoxy, paper-based phenolic, flex circuits, "green tape", silicon, porcelainized metals, etc.



SMT and Hybrid Reflow Soldering System



Falcon Model 5x5 complements our existing line of soldering machines utilizing the proven concept of providing controlled, direct contact heat for reflow soldering and curing. Available optional equipment includes an inert gas hood for operation in nitrogen or forming gas.

SIMPLE • EFFICIENT • ECONOMICAL

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SPECIFICATIONS

Substrate Materials	Ceramic, Glass/Expoy, Paper-based Phenolic Flex Circuits, "Green Tape", Silicon Wafers and Porcelainized Metals
Maximum Substrate Size	5 x 5.5 in (13 x 14 cm)
Platen Size:	5 x 6.5 in (13 x 16.5 cm)
Temperature	From room temperature to 400°C in 2°C steps
Heating Zones	3, 4 or 5 (<i>Individually controlled</i>)
Processing Modes	Time or Speed
Speed Mode	0-50 in/minute (0-127 cm/minute)
Time Mode	1-60 minutes/zone, 1-60 seconds/zone
Heating Zone	5 Max 4 3
Cooling Zone	1 Min 1 2
Loading Zone	0 1 1
Parts Flow	Either direction (selected at purchase)
Alarm Temperature	10C above/below set point
Alarm:	When stopped or jammed
Power:	208/230 VAC, Single or 3 phase, 50-60 HZ, 4000 Watts
Warm-up	Approx. 20 minutes to 300°C
Cooling Zone	Cooling by fan (<i>Water cooling also available</i>)
Size	45 in (114.3 cm) long x 18 in (46 cm) wide x 4.2 in (11 cm) high
Weight	Approx. 75 lbs (34kg)
Warranty	One year on all parts

SIKAMA



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All SIKAMA products designed and manufactured in Santa Barbara, California

Specification subject to change without notice.

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