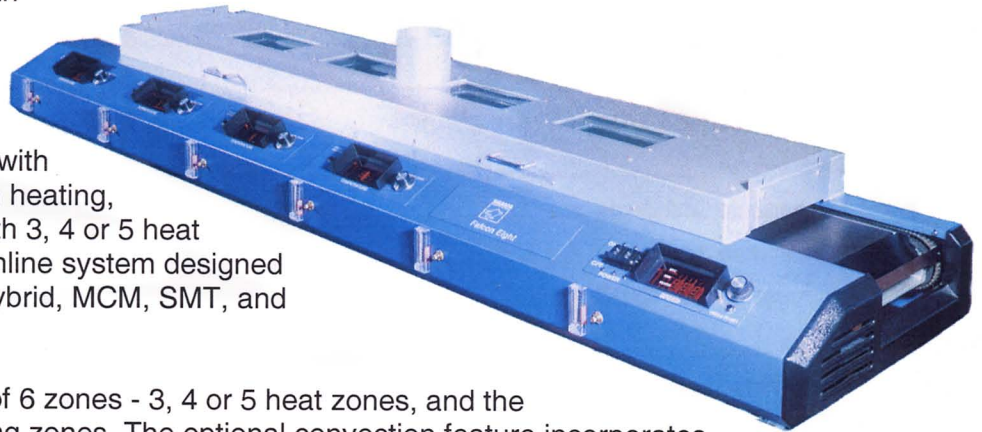


FALCON 8 SERIES

REFLOW SOLDER/CURING SYSTEM

SIKAMA International offers an exceptional tabletop reflow solder and curing system known as the Falcon 8. Incorporating SIKAMA's patented conduction heating in conjunction with optional forced thermal convection heating, the Falcon 8 can be configured with 3, 4 or 5 heat zones. The Falcon 8 is a reliable inline system designed to meet the critical needs of the Hybrid, MCM, SMT, and Microwave Industries.

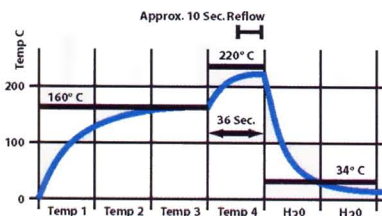


The oven is available with a total of 6 zones - 3, 4 or 5 heat zones, and the remaining either water or air cooling zones. The optional convection feature incorporates gas (nitrogen, forming gas or air), which is heated as it passes through the system via a series of manifolds built into the heated platens. Each zone has independent control of temperature to +/- 2C,

and independent flow gauges to control the amount of gas volume. Substrates are transported through the oven work area by means of sweeper bars. The system can operate in either the speed mode (inches/minute) or the "dwell" mode where the conveyor "dwells" in each zone for a programmed period of time.

KEY FEATURES

- ◆ Superior Solder Bonds
- ◆ Lower Component Temperature Safeguards Product
- ◆ Wide Range of Applications
- ◆ Even Heat Distribution
- ◆ Minimum High Temperature Exposure (see graph)



The Falcon 8 Series of reflow solder and curing systems is well suited for applications ranging from high mass fixtures, temperature sensitive components, ceramic substrates, glass/epoxy, paper based phenolic, flex circuits and duroid materials. The results of the Conduction + Convection process are superior bonds, lower component temperatures, faster process speeds, better control and lower operating costs. This series of ovens are powerful, highly efficient, cost effective systems that are designed to minimize initial capital outlay and production costs, increase yields, safeguard your product integrity and improve your bottom line.

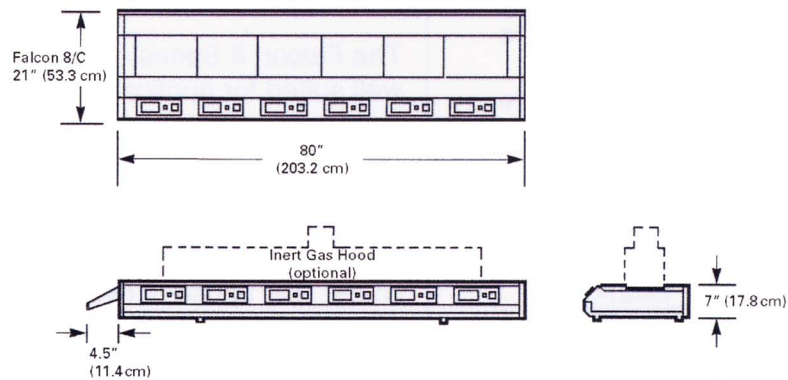
SIMPLE • EFFICIENT • ECONOMICAL

FALCON SYSTEMS

FALCON 8 SERIES

TYPICAL SPECIFICATIONS...

Heating Zone	3, 4, or 5
Cooling Zone	1, 2, or 3 (air or water)
Total Number of Zone	6
Platen Size:	8 in W x 12 in L
Maximum Substrate Size	8 in W x 11 in L
Time Mode (Dwell & Travel Time)	20-60 seconds or 1-60 minutes
Speed Mode	5" – 50" in/minute
Temperature (standard)	Up to 400°C
Temperature Accuracy	+/- 2 °C
Warm-up Time to 230°C	15 minutes
Alarms	Over/Under, Temperature, Speed
Parts Flow	L – R or R – L (specify at order)
Gas Consumption	30 – 70 CFH/Stage
O2 Level with Inert Gas Hood	Process Dependent
Voltage	200-240 VAC, , 50-60 HZ, Single or 3 phase
Start-up Power	11.7 KW @ 240 VAC (5 Heat Zones)
Power Consumption	50% Duty Cycle or less
Basic Unit Weight	280-470 lbs (depending on # of heat stages)
Basic Unit Dimensions	80 in L x 21 in W x 7 in H



For more information contact:

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