

REFLOW SOLDERING SYSTEM ERO-500

Five (5) Zone Conveyor Reflow Oven

Your Economic Solution for:

- Prototyping
- Product Development
- Short Run, High-Mix
- Manufacturing Applications



- Programming control and flexibility with on-board digital control touch screen
- Optimize reflow profile by controlling both heating temperature within each zone and conveyor speed
- 100% forced air convection with five (5) top and five (5) bottom vertical heating zones
- Lead-free reflow profiles capable and conveyor speed

Features:

- Optimize reflow profile with system's five (5) vertical heating zones and one (1) cooling zone.
- Each heating zone is independently programmable and easily controlled through the on-board LCD controller.
- Reflow profiling capability with on-board programming and ability to add three (3) thermocouples for specific board locations.
- Maximum flexibility in defining a reflow profile with conveyor speed, heating temperature, convection heat flow, and cooling fans all easily programmed through the system controller.
- Plenum convection heating technology provides uniform temperature profiling across entire PCB board for enhanced SMT process control
- System's maximum temperature of 320°C is compatible with most lead and lead-free solder paste profiles



The easy to program on-board LCD with graphic user interface enables independent zone programming and maximum flexibility in profile parameter control.

Specifications



Attach three thermocouples for monitoring actual board temperature and download profile data and error logs via D9 connector.



On-board LCD display provides graphical real time and historical program profiles.

- Clamshell hood design with mechanical strut
- Low mass 355mm (14”) wide stainless steel conveyor for board transport
- Store up to 100 individual profiles
- Output in metric or English units
- Password protection
- ISO 9000 SPC fault monitoring reporting
- Real time graphic temperature profiling on LCD system display
- Status light tower included
- PCB edge pin conveyor available to replace wire mesh conveyor



Plenum convection heating provides uniform temperature profiling across the entire PCB board.

Specifications

ERO-500	SPECIFICATIONS
Max. PCB Width	330mm (13 inches)
Max. PCB Height	35mm (1.375 inches)
Heating Zones	5 top, 5 bottom
Max. Temperature	320°C (608°F)
Heated Tunnel Length	1745mm (69 inches)
Convection	Plenum design
Conveyor	Mesh belt or Edge conveyor
Conveyor Extensions	N/A
Venting	Three (3) 102mm (4”) dia. Flanges, 250 CFM (425mm ³ /hr) each

ERO-500	SPECIFICATIONS
Cooling Station(s)	One (1)
Cooling Zone Fans	Two (2)
Cyclonic Generators	N/A
Nitrogen Option	N/A
PC Interface	Included
Heater (Peak) Power	14.5 kW
Power Requirements	208, 220, 230, 240 VAC, 50/60 Hz, 3Ø , 40 Amp
Length	2500mm (98 inches)
Width	945mm (37 inches)
Height	1255mm (49.5 inches)