

The OmniES offers a combination of innovation with industry-proven technologies in a reliable, and efficient reflow system.



## IsoThermal™ Chamber Technology

The OmniES offers a combination of innovation and industry-proven technologies in an easy-to-use, reliable and efficient reflow system. The OmniES incorporates an advanced, efficient, IsoThermal Chamber Technology (ICT) designed for maximum performance. Electrovert's innovative approach to thermal transfer delivers highly efficient heat transfer throughout the entire process. The consistent thermal performance of the OmniES minimizes cross board  $\Delta T$ 's and allows for tight control of time above liquidus (TAL). In addition, independent closed-loop blower speed control promotes thermal performance stability.

The OmniES utilizes a single IsoThermal chamber design producing a hybrid approach to consistent thermal capability and control that outperforms competitor's low cost air alternatives. The OmniES produces  $\Delta T$ 's less than  $\pm 3^\circ\text{C}$  within 7 and 10 zone ovens.



## Innovative Cooling Technology

- Air flow dynamics within cooling zones are efficiently controlled for a balanced environment and reduced exhaust temperatures
- An industry first with dripless cooling significantly reduces the potential for flux dripping in the cooling area
- Excellent separation between the heating and cooling areas produces tight control of TAL

#### WORLD HEADQUARTERS

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Knowledge in process

## Maintenance Reduction Technologies

- Patent-pending dripless cooling design extends maintenance in the cooling section and easy to clean
- Full accessibility to all major assemblies is accomplished through removable panels (front and back)

## Versatile Conveyor System

- Standard conveyor system supports a 20" (508 mm) process width
- Linear guides and precision screw shafts ensure a smooth motion and highly repeatable conveyor width
- Width adjust encoders continually track movement
- Center Board Support (CBS) option
- 35 mm Dual Track (SMEMA) option



## High-End Features

- User-friendly Windows®-based user interface with expanded data logging capabilities
- Common PC and I/O system of wave and cleaner products
- Independent closed-loop blower control (heating and cooling)
- OmniCheck™ continuous monitoring and verification feature
- The OmniES offers a comprehensive list of features that support demanding production requirements



### OMNIES SPECIFICATIONS

	OMNIES 7	OMNIES 10
Machine Length	4863 mm (191.5")	6439 mm (253.5")
Machine Width	1367 mm (53.8")	1367 mm (53.8")
Machine Height	1241 mm (48.9")	1241 mm (48.9")
Process Width	508 mm (20")	508 mm (20")
Heated Length	2685 mm (105.7")	3855 mm (151.8")
Cooling Length	887 mm (34.9")	1293 mm (50.9")
Operating Temperature	350 °C (662 °F)	350 °C (662 °F)
Compliance Requirement	CE/UL Listing	CE/UL Listing

### ABOUT SPEEDLINE TECHNOLOGIES

Speedline Technologies is the global leader in process knowledge and expertise for the PCB assembly and semiconductor industries. Based in Franklin, Massachusetts, U.S.A., the company markets five best-in-class brands — Accel microelectronics cleaning equipment; Camalot dispensing systems; Electrovert wave soldering, reflow soldering, and cleaning equipment; MPM stencil and screen printing systems; and Protect global services, support, and training solutions. For more information, visit us at [www.speedlinetech.com](http://www.speedlinetech.com).

Speedline Technologies maintains an ongoing program of product improvement that may affect design and/or price. We reserve the right to make these changes without prior notice or liability.