



The Global Leader in Thermal Technology

Pyramax Vacuum

Built for Today. Ready for Tomorrow.



The Pyramax Vacuum reflow oven has been designed with the requirements of large EMS/ high-volume automotive customers in mind. The unit is configured with 10 zones of closed-loop convection heating and a maximum production width of 457 x 457mm (18 x 18 inches) inches under vacuum operation. Nitrogen atmosphere capable, the Pyramax Vacuum reflow oven offers a maximum process temperature of 350° C. The unit features integrated controls with BTU's proprietary Wincon™ windows-based control system and full integration with factory MES/Industry 4.0, including vacuum parameters. Existing Pyramax customers can easily transfer their process to the new Pyramax Vacuum reflow oven.

Key Benefits

- Solder voiding to <5%
- Thermal uniformity +/- 2°C
- Superior profile control
- Full MES Integration

Key Features

- Recipe controlled vacuum parameters
- Bell Jar vacuum chamber design
- Forced convection and conduction heat assist
- Low impact thermal transition zone
- Easy maintenance access
- Pass-thru mode



Specifications*

Model	Pyramax 150N
Temperature Ratings:	
Process Chamber	350°C
Vacuum Chamber	300°C
Convection Heated Zones	10 top and bottom
Vacuum chamber Heat Assist	2 heated convection zones
Vacuum Chamber Zones	1 Zone
Vacuum Chamber Size	Up to 457 x 457mm (18 x 18 inches) PCB
Vacuum Specifications:	
Process Chamber	1 Torr (adjustable)
Pump Down Time	8 seconds
Hold Time	10-60 seconds
Refill Time	8 seconds
AtmosphereCarrier Width	Nitrogen / Air

* All specifications are subject to change without notice

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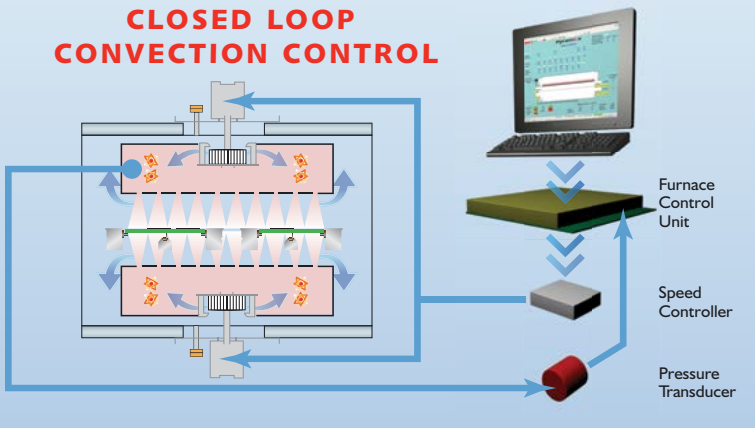


Designed for Maintenance Accessibility

The Pyramax Vacuum system was designed with high volume manufacturing in mind. The chamber is designed to be opened wide for service without the use of tools. The drive system within the vacuum chamber is easily removable for maintenance.

- Novel chamber opening mechanism
- Removable drive system

CLOSED LOOP CONVECTION CONTROL



Pyramax™

BTU's exclusive Closed Loop Convection Control provides maximum flexibility in process control.

- Side-to-side recirculation enhances temperature uniformity
- Guaranteed process repeatability, system to system, site to site
- Unmatched convection efficiency reduces zone temperature setpoints.

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