



The Global Leader in Thermal Technology

Dyn^{mo}™

Built for Today. Ready for Tomorrow.

Standard Features

- Lead-free process guaranteed
- 350C° Maximum Temperature
- Smart Product Tracking (SMEA)
- Automatic Chain Lubrication
- Wincon Control Software
- Flux Management (for N₂)
- Dynamic N₂ Idle (for N₂)
- Electronic Over-Temperature Safety System
- Automatic Gas Sampling

Options

- Rail and Belt Conveyors
- Dual Lane Conveyors
- Rail Only
- Center Support
- Closed Loop Convection Control
- Recirculation Water Cooling
- Additional Flux Box
- CE Certificate

Dynamo is the newest reflow oven platform designed specifically for processing portable electronics. Get the repeatability and thermal performance you expect from the world leader. Dynamo's simplified configuration delivers 24/7, with high uptime and reduced cost of ownership. With 8, 10, and 12 zone air or nitrogen models available Dynamo has everything you need and nothing you don't. Backed by BTU's unparalleled worldwide service and applications team, Dynamo is a value-driven workhorse.



Dynamo Specifications*

Model	Dynamo Z8	Dynamo Z10	Dynamo Z12
Atmosphere	Air or N ₂	Air or N ₂	Air or N ₂
Conveyor Speed	10-60 in/min 25-152 cm/min	10-60 in/min 25-152 cm/min	10-60 in/min 25-152 cm/min
Conveyor Width	2-18 in 51-457 mm	2-18 in 51-457 mm	2-18 in 51-457 mm
Heated Length	106 in 2700 mm	131 in 3336 mm	156 in 3972 mm
Heated Zones	8 top / bottom	10 top / bottom	12 top / bottom
Cooling Length	46 in 1166 mm (Air) 38 in 954 mm (N ₂)	38 in 954 mm (N ₂) 46 in 1166 mm (Air)	46 in 1166 mm (Air) 38 in 954 mm (N ₂)
Cooling Zones	2 top / bottom (Air) 3 top / bottom (N ₂)	3 top / bottom (N ₂) 2 top / bottom (Air)	2 top / bottom (Air) 3 top / bottom (N ₂)
Overall System Length	205 in 5192 mm	230 in 5828 mm	255 in 6464 mm
Overall System Height	56 in 1411 mm	56 in 1411 mm	56 in 1411 mm
Overall System Width	65.5 in 1660 mm	65.5 in 1660 mm	65.5 in 1660 mm
Voltage Range	208-480 VAC	208-480 VAC	208-480 VAC

*All specifications are subject to change without notice

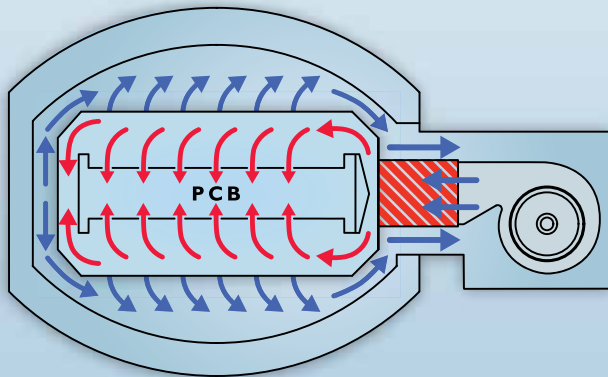
- Thermal performance
- Value through innovation
- BTU quality

New Convection Design

BTU is known worldwide as a leader in thermal performance for convection reflow ovens. The Innovative Dynamo design delivers the performance you expect while increasing value and ease of use.

- High convection efficiency through innovative thermal transfer design
- Excellent temperature and gas flow uniformity across the chamber
- Ease of maintenance

Convection Heat Transfer Flow Diagram



Low Cost of Ownership

The Dynamo is designed to maximize uptime. Alerts allow maintenance planning keeping downtime to a minimum. Repair times and maintenance times are the lowest in the industry due to the innovative industrial design.

- Designed with quick release components for ease of maintenance
- Self alert systems; maintenance reminders

Flux Management

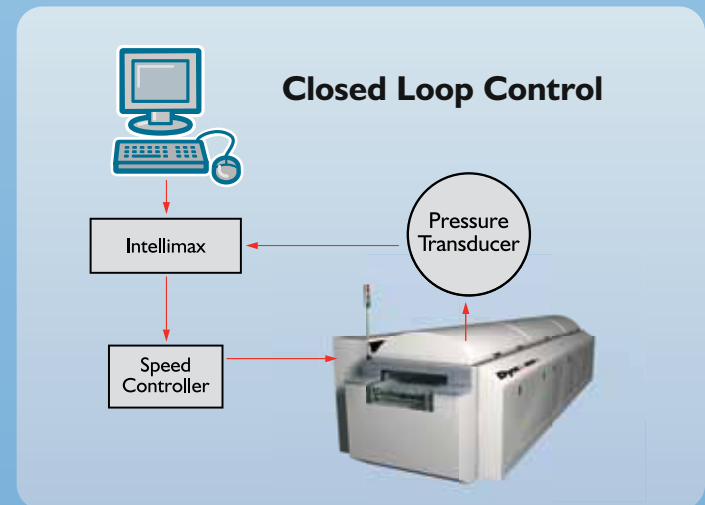
BTU's Flux Management System traps flux residue from the process chamber, preventing it from settling within the oven, leading to increased uptime and lower cost-of-ownership.

- Efficient and configurable flux condensation for mass production
- Additional flux modules optional with location configurable by user
- Minimizes downtime for maintenance

Closed Loop Convection

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

- Maximum flexibility in process control
- Guaranteed process repeatability, system to system, site to site
- Unmatched convection efficiency reduces zone temperature set points



Free! Scan to learn more about BTU's new powerhouse and receive an 8GB memory stick. Dynamo has everything you need, at the price that's right for you.

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