



The Global Leader in Thermal Technology

Dynamo™

Built for Today. Ready for Tomorrow.

Standard Features

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

Options

- Rail and Belt Conveyors
- Dual Lane Conveyors
- Center Support
- Closed Loop Convection Control
- Recirculation Water Cooling
- Expandable Flux Management
- CE Certificate

• Unmatched Thermal Performance

• Value Through Innovation

• BTU Quality and Reliability

Dynamo is the newest reflow oven platform designed specifically for Consumer 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 represents BTU quality and reliability. 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	49 in 1242 mm (Air) 38 in 954 mm (N ₂)	49 in 1242 mm (Air) 38 in 954 mm (N ₂)	49 in 1242 mm (Air) 38 in 954 mm (N ₂)
Cooling Zones	1 top / bottom (Air) 3 top / bottom (N ₂)	1 top / bottom (Air) 3 top / bottom (N ₂)	1 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

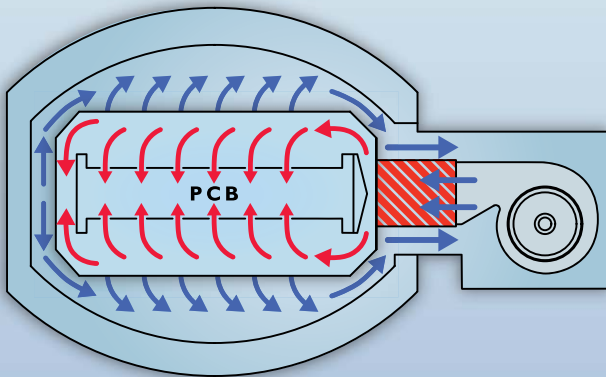
*All specifications are subject to change without notice

New Convection Flow Concept

As the worldwide leader of convection reflow ovens, BTU innovated the new convection flow dynamic to achieve excellent uniformity and minimize maintenance needs.

- High convection efficiency through unique convection flow concept
- Excellent temperature and gas flow uniformity across the chamber
- Quick responses to loads
- Ease of maintenance

Convection Heat Transfer Flow Diagram



Low Cost of Ownership

Dynamo is designed to maximize uptime. Repair times and maintenance times are the lowest in the industry due to the innovative industrial design.

- Unmatched repeatability, eliminating profiling tweaking needs
- Designed with quick release components for ease of maintenance
- Self alert systems; maintenance reminders

Optimized Flux Management

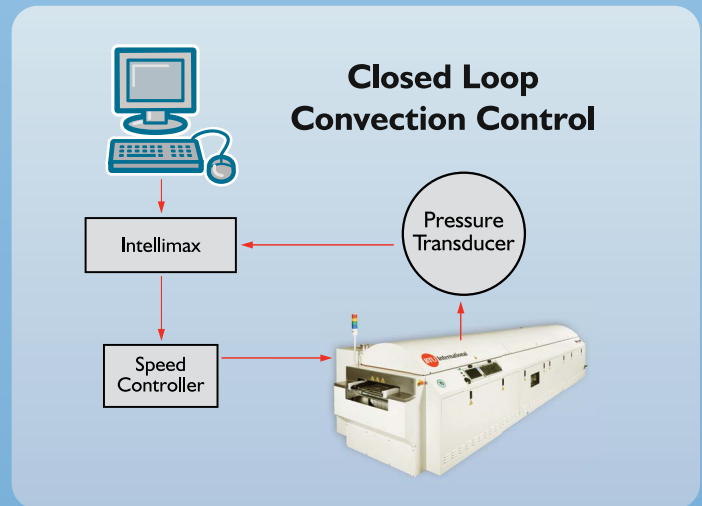
The Optimized Flux Management specially designed for Dynamo traps flux residue from preheat and reflow zones. The unique design also allows flux collection from other zones that customers specify to meet their process requirements.

- Efficient and configurable flux condensation for mass production
- Expandable capacity with location configurable by user
- Minimizes downtime for maintenance

Closed Loop Convection Control

BTU's exclusive Closed Loop Convection Control provides complete closed loop process control of your oven combined with conveyor speed and temperature setpoint.

- 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.

Headquarters | United States

BTU International, Inc
23 Esquire Road

North Billerica, MA 01862, USA

📞 1-978-667-4111

📠 1-978-667-9068

✉️ btuhq@btu.com

Europe

BTU Europe Ltd., UK

📞 +44 (0) 1252 660010

📠 +44 (0) 1252 660011

✉️ sales@btu.co.uk

Asia Pacific

BTU Shanghai, China

📞 +86-21-58669098

📠 +86-21-58669231

✉️ btuasiasia@btu.com