



SPECNOR TECNIC
SERVING THE ELECTRONICS MANUFACTURING INDUSTRY

TORNADO® CONVECTION REFLOW OVEN

The Tornado convection reflow oven is a high performance reflow oven that provides outstanding thermal uniformity, excellent profile repeatability and a high coefficient of heat transfer ideal for lead-free soldering.

The Tornado 5, Tornado 7 and Tornado 10 are available with 5, 7 or 10 vertical heating zones and include many of the standard features you would expect in higher priced ovens. The Tornado is virtually maintenance free with low nitrogen consumption and electrical usage to ensure maximum production uptime.



FEATURES

- Forced convection heating with high coefficient of heat transfer for lead-free soldering
- High output forced convection cooling modules ideal for leadfree reflow soldering
- Available mesh belt conveyor, pin chain edge rail conveyor, combination pin chain/mesh belt conveyor or optional center board support
- Optional nitrogen inert atmosphere, process gas analyzer, external water chiller, on-board refrigerated chiller or UPS battery backup
- Possibility to have different top and bottom forced convection heating modules, from 5 to 10 units
- A Windows® base software and a user friendly interface with a new connectivity option following the latest standard in the electronics manufacturing shop floor equipment communication



TORNADO® SPECIFICATIONS

FORCED CONVECTION

5, 7 or 10 top and bottom forced convection heating modules
Max. Temp. 300C (572F)



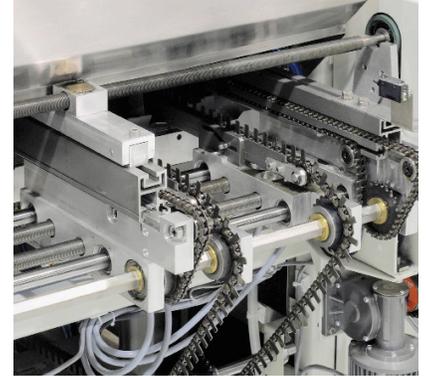
CONVEYOR MODULE

508mm (20") conveyor width
Stainless steel mesh belt conveyor
Auto chain lubrication



CONVEYOR MODULE OPTIONS

Pin chain, edge rail conveyor
Combination pin chain/mesh belt
Center board support



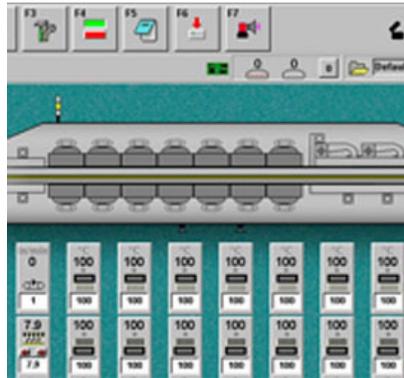
INERT ATMOSPHERE

Nitrogen inert process atmosphere
Adjustable metered gas controls
Integrated process gas analyzer
Gas cooling zone



SYSTEM CONTROLS

Windows™ NT operating software
Real-time system graphic animation
Connectivity option



AVAILABLE OPTIONS

Contact us to review your application requirements and discuss about the options

- Pin chain, edge rail conveyor
- Pin chain rail heating
- Combination pin chain/mesh belt
- Center board support
- Nitrogen ready package
- Inert atmosphere cooling module
- On-board refrigerated chiller
- UPS battery backup

TECHNICAL DATA

	TORNADO 5	TORNADO 7	TORNADO 10
HEATED TUNNEL LENGHT	1828mm (72")	2592mm(102")	3851mm(152")
COOLING LENGHT	982mm (39")		
SYSTEM FOOTPRINT	4622mm (182")	5394mm (212")	6652mm (262")
WIDTH	1382mm (54")		
HEIGHT	1350mm (53")		
POWER	220/240, 380/415, 440/480VAC, 60 KVA 66A/line @ 440VAC		
EXHAUST REQUIREMENTS	320 CFM		

TORNADO is a registered trademark of Specnor Tecnic Intl. Corp.

Windows is a registered trademark.

*All specifications are subject to change without notice.

CONTACT US

SPECNOR TECNIC INTL. CORP
SERVING THE ELECTRONICS MANUFACTURING INDUSTRY

-  5350 J.-ARMAND BOMBARDIER
ST-HUBERT, QUEBEC, CANADA J3Z 1J1
 TEL. (450) 462-8651
 FAX. (450) 462-8654
 sales@specnor.com

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www.specnor.com