

XR-C

Reflow Serie



eXelsius®



**A range of reflow ovens specially developed to fit
the most challenging reflow demands in
Lead Free environment**

Performances

XR-C6 (6 heating + 2 cooling zones)
XR-C8 (8 heating + 2 cooling zones)
XR-C10 (10 heating + 3 cooling zones)
XR-C12 (12 heating + 3 cooling zones)

**Allow to realize the most complexe profiles of Lead Free
Reflow process.**

Flexibility

XR-C6 to XR-C12 are upgradable on production site in order to give
the best reply for today and tomorrow customer demands.

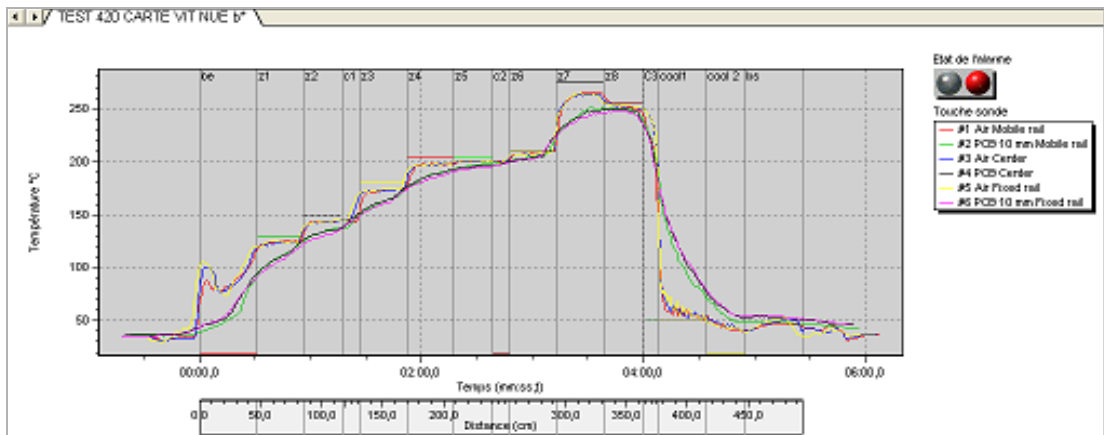
Cost of ownership

Advanced and easily maintainable Flux Management Systems allow
to reduce appreciably down time for maintenance and cost of ownership.



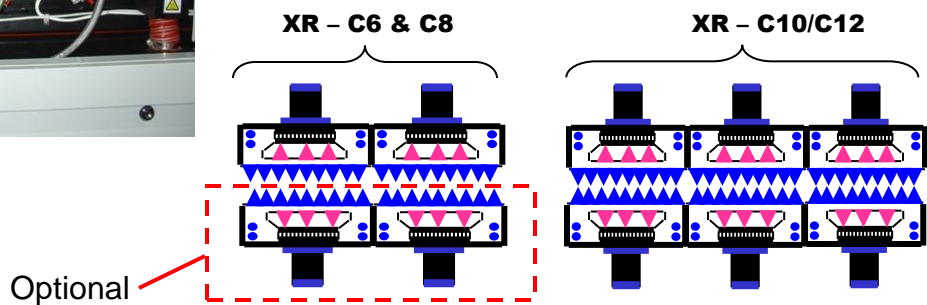
Heating

With longer heating zone and reduced crossflow, XR-C range of ovens allows **great flexibility, very good profiles control** and reduce noticeably the stress in complex PCBs



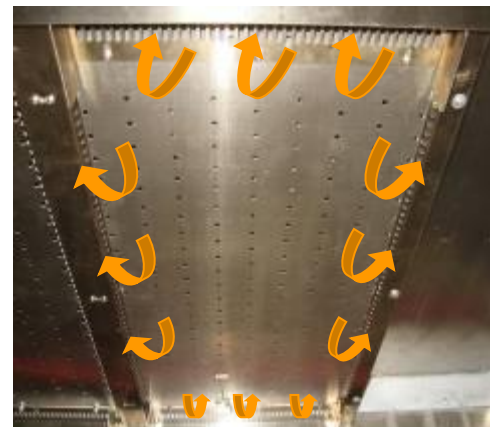
Cooling

Cooling is achieved with 2 or 3 top and bottom water cooled convection modules. Slope can be adjusted thanks to convection speed control



Convection

4 directions gas circulation with 2 main side to side and 2 auxiliaries sucking between zones allows to reduce crossflow and to improve heat transfer to obtain the best thermal uniformity on complex populated PCB.



Conveyor systems

A wide range of conveyor systems, with and without central support allows to give the best solution for every production strategy.
Maximum board width: 450mm

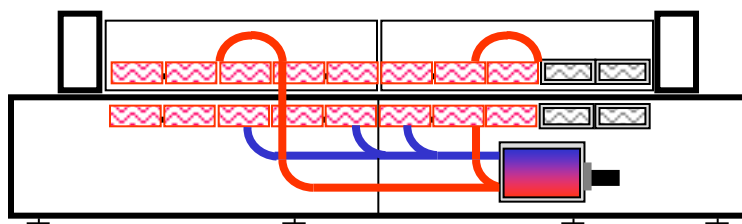


N² Flux management version

Flux Management

Advanced Flux Management System (N² version) and standard one allow to reduce maintenance and production downtime.

Most cleaning operations can be done in masked time without need of consumables filters.



Control & Regulation

Operating system : Windows 7

- ✓ Siemens PLC
- ✓ Protection with Password
- ✓ Automatic Start-up
- ✓ In line assistance
- ✓ Troubleshooting assistance
- ✓ Heat up power adjustment
- ✓ Alarm background
- ✓ Alarm for maintenance



Specifications

	XR-C6	XR-C8	XR-C10/C12
Dimensions/Weight	1500 kg	2000 kg	2400/2600 kg
Total length	4650 mm	5425 mm	6580 mm
Total width	1400 mm	1400 mm	1400 mm
Height (without beacon)	1500 mm	1500 mm	1500 mm
Conveyor	(PCB width 50-450mm, height 20-30mm)		
Mesh Belt Conveyor		Option	
Pin Chain Conveyor		Option	
Combo (Pin Chain + Belt)		Option	
Central Support		Option	
Heating Tunnel	Thermocouple 4 pcs		
Heating length	2950	3320 mm	4025 mm
Top heating mode		Forced convection	
Bottom heating mode		Forced convection	
Number of heating zones : Top / Bottom	12 (6 / 6)	16 (8 / 8)	20 (10/10) 24 (12/12)
Heating time		20 à 30 min.	
Lead Free		Standard	
Thermal regulation			
Maximum process temperature		350 C	
Regulation accuracy		+/- 0,5 C	
Regulation type		PID	
Power installed (consumption)	45 kW (10kW)	67 kW(12kW)	83 kW(18kW)/95 kW(20kW)
Cooling (Water & Air)			
Cooling length	800 mm	800 mm	1200 mm
Number of cooling zones : Top / Bottom	2 top modules	2 (2 / 2)	3 (3 / 3)
Total cooling length	1200 mm	1300 mm	1680 mm
Electrical supply			
Voltage		400 Volts 3 Phases + Neutral + Earth	
Frequency		50 Hz	

OPTIONS AVAILABLE

Chiller, Nitrogen, Oxygen Analyser, UPS, Auto Temp

EXELSIUS™ and ViTechnology® are registered trademark of ViTechnology®.
All products and brands, named in this document, are trademarks of their respective owners.
Specifications subject to change without notice.

smartTec
smart technology products and solutions