

# XRC

# EXELSIUS

## A COMPLETE ● RANGE OF REFLOW OVENS



A PROVEN SOLUTION FOR OPTIMAL CONTROL  
OF YOUR REFLOW PROCESSES

THERMAL CONTROL  
FOR FLEXIBLE  
AND ADAPTABLE  
PROCESSES

DESIGN FOCUSED  
ON PERFORMANCE  
AND OPERATIONAL  
REPEATABILITY

OPTIMIZED THERMAL  
INSULATION  
FOR PROCESS  
QUALITY AND  
ENERGY SAVINGS



## XRC TECHNOLOGY

The XRC reflow oven utilizes convection to deliver uniform and controlled heat distribution. This thermal precision is essential for high-quality soft soldering, ensuring reliable surface-mount assembly on your PCBs. Designed to maximize productivity, the XRC oven features simplified maintenance access and reduced cleaning time, allowing you to minimize downtime while maintaining consistent performance.

A proven, robust, and efficient solution, it is perfectly suited to the demands of the electronics industry.



### **THERMAL CONTROL FOR RELIABLE SOFT SOLDERING AND OPTIMIZED ENERGY CONSUMPTION**

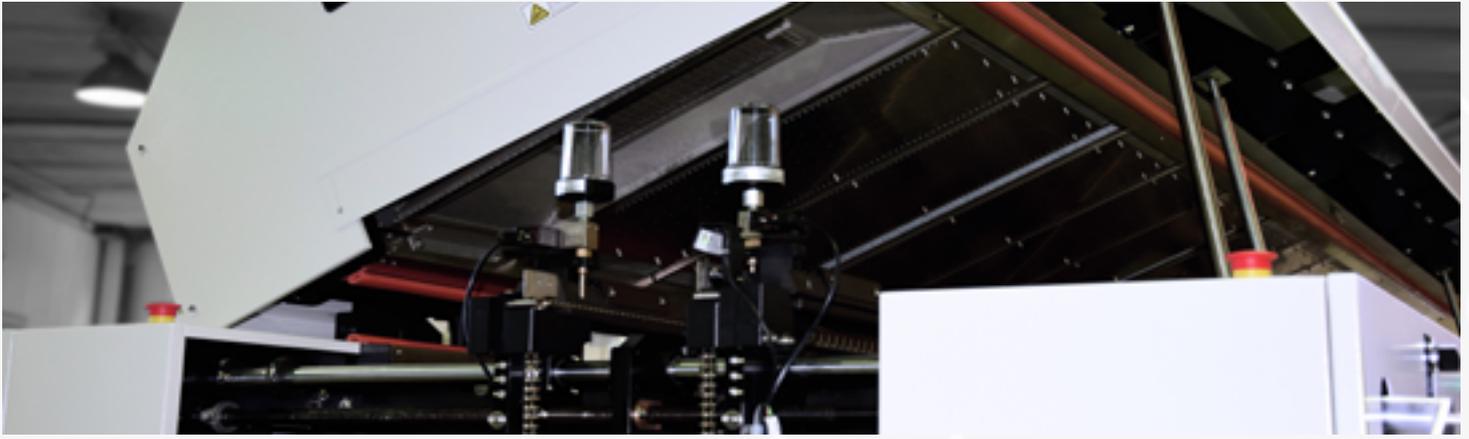
With precise temperature profile control, the XRC oven minimizes mechanical and thermal stress on complex assemblies, ensuring optimal reliability for soft soldering. Its advanced thermal insulation reduces heat loss, delivering maximum energy efficiency and controlled consumption.

### **FAST MAINTENANCE FOR MAXIMUM AVAILABILITY**

With simplified access and a design optimized to reduce cleaning time, the XRC oven streamlines all maintenance steps while minimizing production downtime. These advantages ensure increased productivity and smooth repeatability of operations.

### **HEATING AND COOLING TAILORED TO THE MOST SENSITIVE SOLDER PASTES AND COMPONENTS**

The XRC oven features a configurable heating and cooling system with convection modules on both the top and bottom. This ensures a smooth and uniform thermal transition, protecting sensitive components while meeting the demands of solder pastes. The result is reliable and consistent performance.



## TECHNICAL DATA



**XRC6**

**XREC8**

**XRC8**

**XRC10**

**XRC12**

	XRC6	XREC8	XRC8	XRC10	XRC12
Dimensions (LxWxH) excluding light column	4650 x 1400 x 1500 mm	4650 x 1400 x 1500 mm	5425 x 1400 x 1500 mm	6580 x 1400 x 1500 mm	6580 x 1400 x 1500 mm
Power supply	400 V AC - 50/60 Hz - 3-phase + N +G	400 V AC - 50/60 Hz - 3-phase + N +G	400 V AC - 50/60 Hz - 3-phase + N +G	400 V AC - 50/60 Hz - 3-phase + N +G	400 V AC - 50/60 Hz - 3-phase + N +G
Installed capacity	45 KW	67 KW	67 KW	83 KW	91 KW
Weight	1800 kg	1800 kg	2500 kg	3100 kg	3200 kg
<b>HEATING SYSTEM</b>					
Heating length	2550 mm	2550 mm	3310 mm	4100 mm	4100 mm
Heating zones (Top/Bottom)	12 (6/6)	16 (8/8)	16 (8/8)	20 (10/10)	24 (12/12)
Stabilization time	20 to 30 min				
Maximum temperature	350°C	350°C	350°C	350°C	350°C
Precision (on a 200 mm wide board)	+/- 0,5° C				
<b>COOLING SYSTEM</b>					
Convective cooling length	840 mm	840 mm	840 mm	1220 mm	1220 mm
Cooling zones (Top/Bottom)	4 (2/2)	4 (2/2)	4 (2/2)	6 (3/3)	6 (3/3)
Total cooling length (with unloading station)	1510 mm	1510 mm	1510 mm	1890 mm	1890 mm
<b>CONVEYORS</b>					
Chain conveyor	Standard	Standard	Standard	Standard	Standard
Standard conveyor width	50 to 450 mm				
Standard speed	200 to 1200 mm/min				
Standard pass-through height (Top/Bottom)	35 +/- 25 mm				

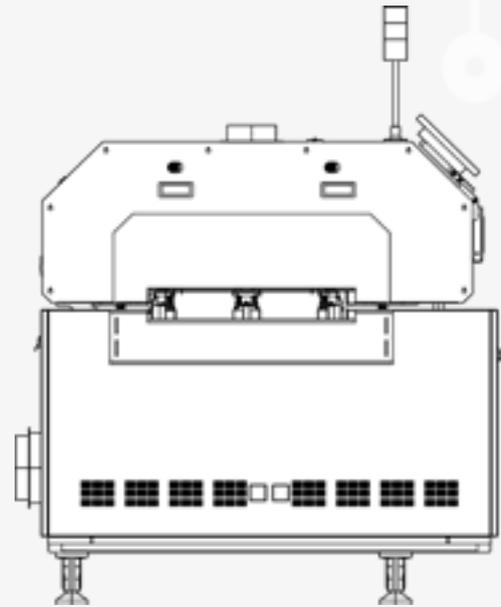
*These specifications are not binding*



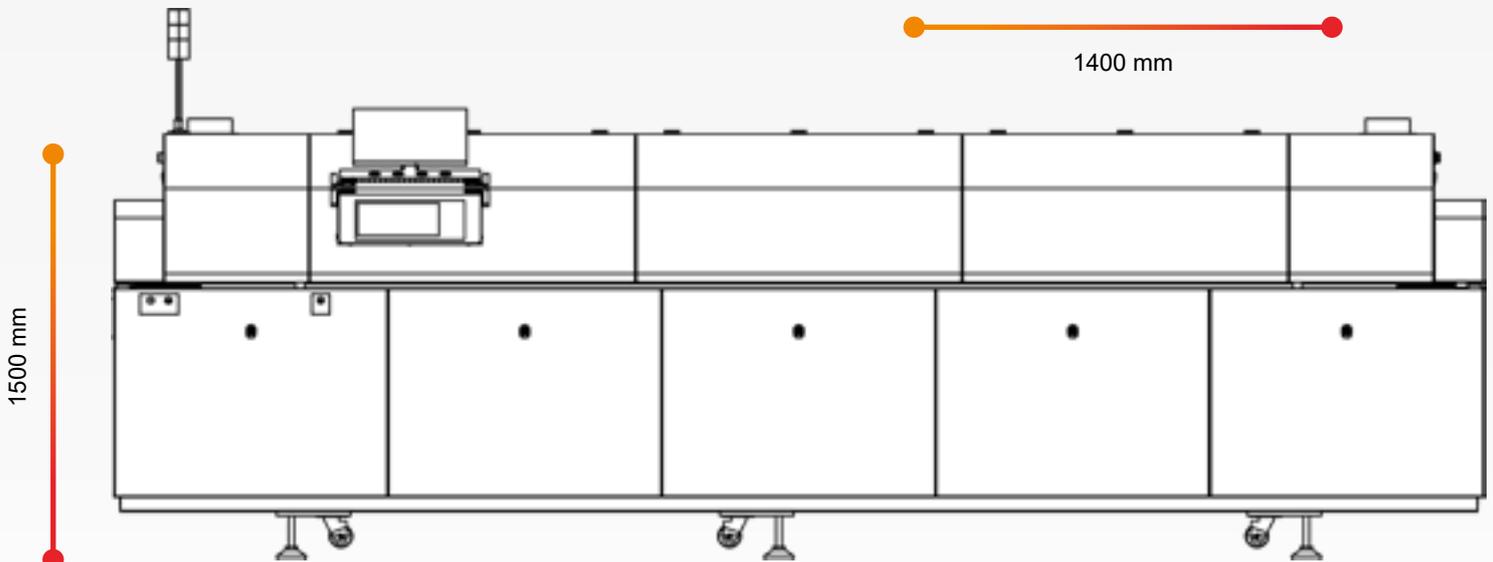
## OPTIONS

- Adjustable Board Width
- Adjustable Pass-Through Height
- Dual-Lane Conveyor
- Chain and/or Belt Conveyor
- Nitrogen Capability: XRC8 to XRC12
- Oxygen Analyzer
- CFX Standard

Some options are not compatible with each other.



1400 mm



1500 mm

from 4650 to 6580 mm

For more information on this equipment, scan the QR code and contact our sales team.



EXELSIUS

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