

# Vitronics Soltec

A WORLD OF SOLDERING SOLUTIONS

**Proven Performance**



## MR+ Reflow Platform

- Advanced design/knowledge adopted from Europe
- Excellent thermal transfer and temperature control accuracy
- Exceptional cooling performance
- Contains over 10 patents including gas recirculation system
- Global sales and service support



### Convection motors and heaters

- High quality and reliability
- Lifetime warranty
- Easy access for maintenance

### Gas recirculation system

- Efficiently collects flux residues to reduce tunnel maintenance
- Reduces nitrogen consumption up to 30%
- Designed for easy maintenance

### Precise controlled cooling

- Control accuracy at  $\pm 1^{\circ}\text{C}$
- User-friendly swing arm unit design
- Numerous cooling configurations

**S**tandard, with a host of features that would be extras or options on other machines;  
**M**ature, with more than 1,000 MR Series systems installed worldwide;  
**A**ffordable, delivering high end thermal performance at a low cost of ownership;  
**R**eliability, providing 98% uptime; and  
**T**echnology, built with world-leading Vitronics Soltec soldering system technology.

## Key standard features

- Patented Flux Flow Control™ to reduce maintenance
- UPS backup to power conveyor, PC and hood lifts
- Board tracking system
- Auto chain lubrication system
- Enhanced ambient air cooling
- Fan speed control in two groups (soak/reflow)

## Key optional features

- Full nitrogen with excellent performance
- Gas recirculation system (GRS)
- Computer controlled width adjustment
- Enhanced zone definition for heating
- Advanced controlled cooling
- Quick disconnects in cooling zones for easy maintenance

Model	# Heat zones	# Cooling zones	Heated length	Cooling length	Total length
MR933+	9	3	275 cm	92 cm	471 cm
			108 in	36 in	186 in
MR1243+	12	4	366 cm	122 cm	593 cm
			144 in	48 in	234 in



### Conveyor features

- Computer controlled auto fabrication
- PCB support with parking position
- Combo belt rail conveyor

### Enhanced zone definition for heating

- Max. allowed temperature difference between last soak and first peak is from 80°C to 140°C

### Baffle box with N2 curtains

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An ITW Company

[www.vitronics-soltec.com](http://www.vitronics-soltec.com)