Vitronics Soltec

MR 933

MR 933/1243 REELONS SOLDERING PLATFORM

MR 933/1243 **REFLOW** SOLDERING PLATFORM RELIABILITY



- Minimal **AT**
- High Throughput
- Short Footprint
- Low Energy Use
- Low Surface Temperature
- Single Exhaust Point
- Reduced Energy Consumption
- Full Accessibility

INCREASED HEAT TRANSFER







MYREFLOW MEETS THE LEAD-FREE CHALLENGE

Going "Lead-Free" means a smaller process window for reflow soldering; for example, melting temperatures must be higher, but maximum allowed component temperatures remain fixed! Combined minimum and maximum time limits above liquidous result in a smaller operating time-temperature process window. It's the big lead-free "squeeze"! This makes it tough to develop optimum profiles while maintaining process speed.

BETTER HEAT TRANSFER BEATS THE "SQUEEZE"

Increased heat transfer from gas to product relieves the "squeeze". myReflow does this with an improved gas recirculation flow efficiency design. Component temperatures can now reach higher levels without higher set points. Maximum component temperatures are therefore limited while Δ T's in the peak zone are minimal.

SIMPLICITY WITH "PRECISION PROFILING™"

Building optimization profiles within the lead-free process window is now easier than ever, without compromising line speed! myReflow's "Precision Profiling™", makes lead-free reflow an easy transition.

Open tunnel view









INTEGRATED GAS MANAGEMENT

Gas Management in myReflow is carefully balanced. An integrated and patented solution combines nitrogen introduction with gas re-circulation and filtration, while simultaneously reducing overall energy consumption. myReflow is equipped (standard) with our patented "Flux Flow Control" system and "Stack Filter Unit" on the machine's single exhaust port. In addition, a multi-stage gas filtration system can be added to condense and filter contaminants before re-injecting gas into the oven.

Model	H/C	Heated L mm/inch	Cooled L mm/inch	L-total mm/inch	L-total N2 mm/inch
MR 933	9/3	2745/108.7	915/36.02	4713/185.55	4713/185.55
MR 1243	12/4	3660/144.1	1220/48.03	5933/233.58	5933/233.58



left: Swing-arms for rear access middle: Cooling system right: Access to all motors



MODELS & CONFIGURATION







Level meters



THE REFLOW FAMILY

TECHNOLOGY AND PROCESS SUPPORT

With Vitronics Soltec, you get more than just a machine; you also get a wealth of soldering knowledge, plus dedicated customer service and support whenever you need it, wherever you are. Over 90 years of soldering science and the combined experience of our engineers will help you establish a robust process, from choosing the right flux, to designing custom pallets. Our well-equipped Technology Laboratory will help you solve problems, and our knowledgeable process engineers will help you get up and running the right way. In addition, our dedication to sharing knowledge and know-how, through seminars, interactive CD's, webcasts, and publications is known world-wide, and underscores our commitment to making all of our resources available to our customers wherever they may be around the world.





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Vitronics Soltec

LOCAL STRENGTH

Vitronics Soltec is organized as a global network of local teams and works with users anywhere, everywhere, and in every language that they speak. By being strong locally, Vitronics Soltec became strong globally.

SUPPORT COMMITMENT

During its long membership of the global electronics industry, Vitronics Soltec has developed respect for small and large users alike. The extended service and support structure is available for all Vitronics Soltec equipment users. Thanks to its global presence, Vitronics Soltec can guarantee a high support standard in each area of the world, including field service, application engineering and helpdesk support.



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DEDICATED TO SOLDERING





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