

# MRS-1100A Modular System

[Convection Rework]



## The 4 components of the MRS-1100A are:

1. HCT-1000 Programmable Hand Held Convection Tool.
2. PCT-1000 Programmable Pre-heater.
3. ATH-1100A Adjustable Tool Holder.
4. BH-2000 Free standing board holder. (Not shown)

## The MRS-1100A Modular Rework System is an integrated convection rework system for the removal and reflow of BGA/CSP and SMT components.

The MRS-1100A is comprised of a convection tool, a preheater, an adjustable tool holder, and a free-standing board holder to create a manually assisted rework system. A series of nozzles, targeting a variety of applications round out the product offering for this system.

With standard features such as programmability, a digital display, program storage of up to 50 profiles, this system is not only versatile, but also easy and efficient to work with. A choice of board holders and accessories are available that make

the system capable of handling multiple sizes of PCBs.

The MRS-1100A allows you the choice of using either the embedded profiling capability that can be configured to operate at a fixed temperature, or a four zone programming option. The unit also allows the temperature to be controlled either at the heat output (internal) or at the board (external). The “external” control function uses a thermocouple which can be placed on the board or a component.

## Key Features & Benefits

- Digital display for repeatable temperature settings and profile control
- Automatic control of the preheater for simple operation
- Easy profile creation for operator repeatability
- Integrated vacuum pickup for easy component removal
- Hand held or tool holder mounted for operator comfort
- Manual mode for quick setup
- External thermocouple for process setup and verification
- Digital controlled airflow for repeatable results
- X, Y, Z and Theta controls for component alignment
- Adjustable PCB holder for easy change outs
- Automatic vacuum lift off at the end of the cycle
- Password lockout of programmed profiles