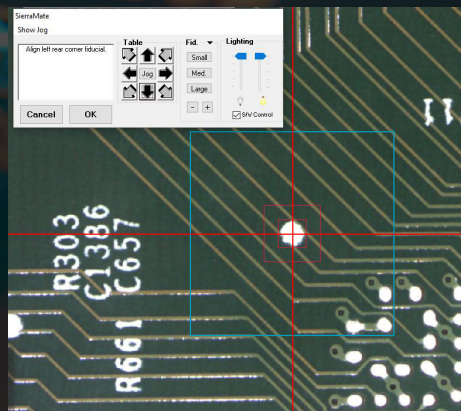


# SUMMIT 2200i

## Automatic Rework System

# DATASHEET



Now available with Component Auto Alignment!

### For Small to Large SMD Assemblies

### The Leading Solution for High Volume/High Mix Applications

#### Technical Highlights:

- + 4.0kW/7.8kW Convection Bottom Heater
- + 2.2kW Focused Convection Top Heater
- + 01005 -120mm Component Range
- + 0.0005" Placement Accuracy
- + Multi-lens Optics & Digital Split Imaging
- + 65mm/80mm Square FOV
- + Motorized & Programmable X,Y &  $\Theta$
- + Automatic Non-Contact Site Scavenging
- + Automatic Component Alignment (Including components >100mm)

The Summit 2200i is our top-of-the-line automatic rework system equipped to handle boards up to 22" x 30" using motorized/programmable X, Y, Z and theta (360°) motions. The system's dedicated site scavenger eliminates the need for tooling change, allowing continuous process for reduced thermal exposure and significantly higher throughput.

Automatic component alignment via fiducial recognition allows for the aligning of components greater than 100mm. The easy-to-use "1-2-3-GO" interface and flexible SierraMate rework software minimize operator intervention while keeping tight control of all critical process parameters.

Rework done on the Summit 2200i with Auto Align results in reliable, repeatable processes with greater system up-time, machine utilization, and a faster ROI.

## 2200i SYSTEM OPTIONS

### HEATING

- + 1.0kW Local Bottom Site Spot Heater w/ 2" x 2" Mini Plenum

### VISION

- + 80mm Square FOV - Replaces 65mm Prism
- + Precision Optical Split Mirror
- + 1.0X Video Coupler - 40X Magnification

### TABLE & MOTION

- + 22 x 30" (560x762mm) X-Y Table w/ 7.8kW NexGen Bottom Area Convection Heater
- + Board Supports, Clamps and Extensions

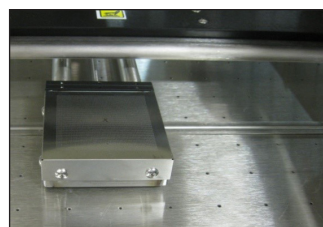
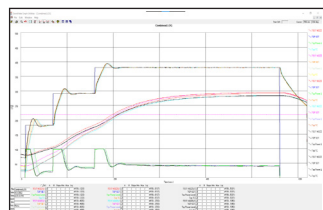
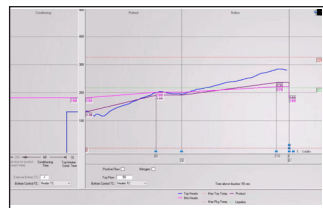
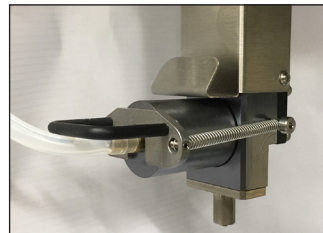
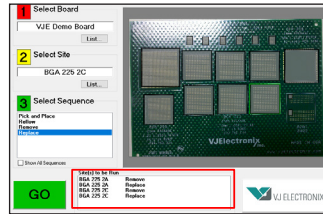
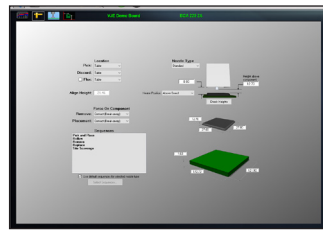
### SOLDER REMOVAL

- + High Volume DHS Non-Contact Solder Scavenger (Replaces standard)
- + Scavenger Consumables Kit
- + Scavenger Tooling Kit

### PROCESS TOOLING

- + Pro-series or Pro-step Nozzles
- + Micro Passive Rework Tools
- + Standard and/or Precision Pick up Nest
- + 2" (50mm) Solder Print Station
- + 3" (75mm) Solder Print Station
- + Solder Print Station Stencils
- + Solder Print Station Alignment Nest
- + Site Heater Plenum for Connectors and Large Components
- + Flux Dipping Tray Set

For more information on software upgrades, new system purchases, or to schedule a demo, please call (800) 858-9729 or email [electronxsales@vjt.com](mailto:electronxsales@vjt.com)



## Fully Programmable Rework

Minimize user intervention to reduce variability and increase process efficiency. Ideal for medical, automotive, and aerospace applications where optimum process repeatability is required.

## Multi-sequence Run

Our easy-to-use 1-2-3 GO graphical user interface makes multi-sequence programming simple. Perform removal, scavenge, replace, and reflow on multiple components in a single rework cycle without any operator intervention.

## Independent Site Scavenging

Run continuous process with an independent non-contact site scavenger head. Complete rework in a single thermal cycle without tool change. Dynamic height sensing control eliminates the risk of damaging pads during solder removal.

## Automatic Component Alignment

Unique software allows for alignment of components, including 100mm or larger, with no operator intervention required. The software automatically detects components and sites using fiducial recognition.

## Auto Profiling

Fast and easy profile creation. Simply enter the desired product temperatures. Safe and accurate profiles are automatically "learned" and saved for future use.

## Process Traceability

Track all operations performed on the Summit 2200i rework system directly from an automatic data and event log. View and analyze thermal profile data using the Sierra Graph Utility. All thermal and event data is easily transferred to your network.

## Third Stage Heating

The optional bottom side local heater delivers heat directly to the rework site, minimizing component peak temperature, improving thermal uniformity and reducing cycle times.