

SUMMIT LT120

Semi-Automated Rework System

DATASHEET

For Extra Large Components & Assemblies

The Best Choice for Servers, Backplanes, Large Boards and Very Large Component Applications

Technical Highlights:

- + 10.0kW Convection Bottom Heater
- + 1.6kW Focused Convection Top Heater with 2.2kW Boost Heat Mode
- + 0201 to Large Connectors
- + 0.0020" Placement Accuracy
- + High-resolution Color Camera with Digital Split Imaging
- + 120mm Square FOV

The Summit LT120 provides the highest performance for rework of extra large boards and components. The system is ideal for high volume and high mix applications requiring precision such as servers, networking, communication, and other complex applications.

The Summit LT120 is capable of handling boards up to 650 x 1200 mm and components as small as 0201 up to large 200mm connectors.

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.

The Summit LT120 utilizes efficient convection heating providing high throughput, thermal uniformity, and repeatable rework processes.



CONFIDENCE DELIVERED



Phone: +1 978 486 4777
www.vjelectronix.com



19 Alpha Road
Chelmsford, MA 01824, USA

COPYRIGHT©2025 VJ ELECTRONIX, INC. — DS-RW-LT120 | REV 2.24.25



SUMMIT LT120 FEATURES

HEATING

- + 1.6 kW Top Heater with 2.2kW Boost
- + 10 kW Plenum Hot Gas Bottom Heater
- + 1.0 kW Bottom Site Heater

VISION

- + 120mm Square FOV
- + Digital Quad Split
- + Dual Color LED Lighting
- + Optional Side-View Digital Color Video Camera

BOARD SUPPORT TABLE

- + 24 x 36" (610 x 914mm) X-Y Board Capacity
- + Optional 650 x 1200 mm Table
- + Full Coverage Convection Heating

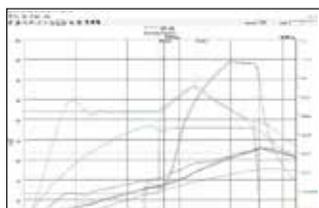
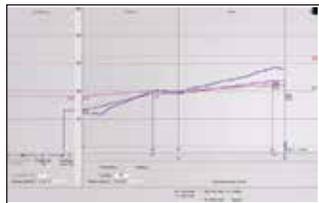
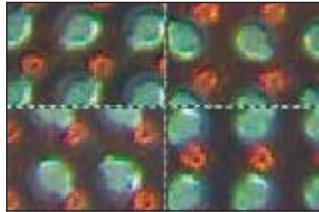
SOLDER REMOVAL

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

PROCESS TOOLING

- + Pro-series or Pro-step Nozzles
- + Micro Passive Rework Tools
- + Component 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 service, upgrades, new system purchases, or to schedule a demo, please call (800) 858-9729 or email electronixsales@vjt.com



Flexible Process Automation

Minimize user intervention to reduce variability and increase process efficiency. High accuracy and repeatable process for removal, scavenge, replace, and reflow. Computer control of all critical parameters (Time, temp, air flow, sequences) ensures process repeatability.

Full Component Range

Our rework systems support the widest range of components – from very small 01005 to massive 120mm BGAs & large connectors, with industry-leading placement accuracy.

Precision Thermal Control

High efficiency convection heating for safe and repeatable process. 2.2 kW Top Heating with computer controlled flow combined with full coverage bottom heating provide speed and heating uniformity.

DHS Site Scavenging

Dynamic Height Sensing (DHS) Scavenger maintains consistent scavenger tip-to-board gap, safely removing residual solder and eliminating the risk of damaging pads during removal. Programmable X,Y, Z minimizes operator intervention. N2 capability allows for consistent results without post-scavenge cleaning.

One-run 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 LT120 rework system directly from the 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.