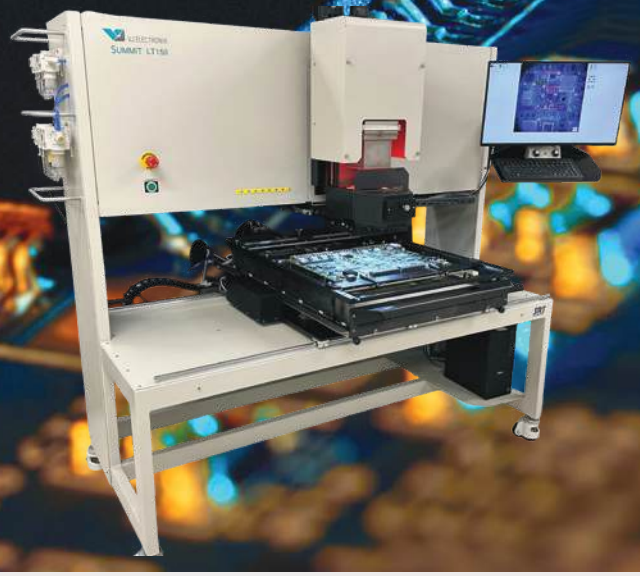
SUMMIT LT150

Semi-Automated Rework System

DATASHEET



The Summit LT150 is your answer for rework of next generation components up to 150 mm

The Summit LT150 addresses a clear and growing challenge in electronics manufacturing: reliable rework of next-generation components up to 150 mm in size. By scaling both vision and heating capability while maintaining precise thermal control, VJ Electronix has extended proven Summit platform concepts into a new performance class. Innovations such as the expanded 150 × 150 mm alignment field of view and the proprietary LT150 top heater demonstrate thoughtful engineering focused on real-world rework demands.

The LT150's support for large board sizes — up to 24 × 36 inches standard, with an optional 650 × 1200 mm upgrade — ensures compatibility with today's high-power and high-density assemblies.

- Enhanced 150 x 150 mm alignment Field of View. Zoom in with digital corner viewing.
- Propritary 4.4 kW Top Heater handles the largest components. Dual PID control provides superior heating uniformity while maintaining consistent Time Above Liquidous from center to corners.
- More powerful, 1.5 kW Spot Heater balances top and bottom heating to protect the component and reduce cycle time.
- Incorporates the popular Summit LXi large board capacity of 24 x 36 inch (610 x 914 mm) standard, or the optional 650 x 1200 mm upgrade.
- Increased 100 mm top side clearance allows rework of components located between connectors, heat sinks and other tall obstructions.
- Increased 100 mm bottom side clearance to safely rework boards with tall bottom side connectors and power modules.

VJ ELECTRONIX™
Process Control Solutions
CONFIDENCE DELIVERED

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SUMMIT LT150 FEATURES

HEATING

+ 4.4 kW Top Heater
+ 10 kW Plenum Hot Gas Bottom Heater
+ 1.5 kW Bottom Site Heater

VISION

+ 150mm 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 Convetion Heating

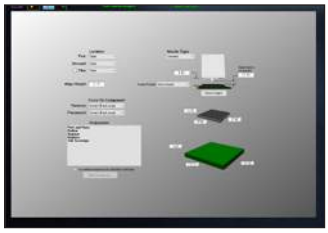
SOLDER REMOVAL

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

PROCESS TOOLING

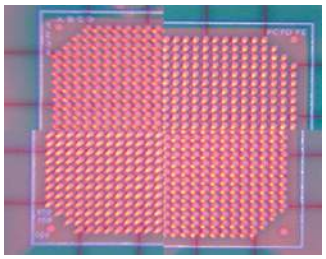
+ Pro-series or Pro-step Nozzles
+ Micro Passive Rework Tools
+ Multipoint Vacuum Pick
+ Component Pick up Nest
+ Edge Bond Glue Tooling
+ Site Heater Plenum for Connectors and Large Components
+ Flux Dipping Tray Set
+ Forced Air PCB Cooling

For more information on service, upgrades, new system purchases, or to schedule a demo, please call (800) 858-9729 or email electronixsales@vjt.com



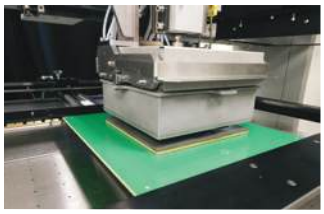
Flexible Process Automation

Minimize user intervention to reduce variability and increase process efficiency. High accuracy and repatable 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 0201 to massive 150mm BGAs & large connectors, with industry-leading placement accuracy.

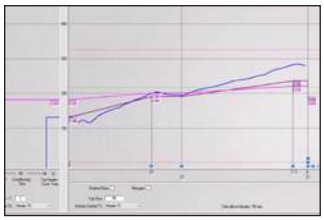


Precision Thermal Control

High efficiency convection heating for safe and repeatable process. 4.4 kW, dual PID controlled Top Heating with programmable flow combined with full coverage bottom heating provide speed and heating uniformity.

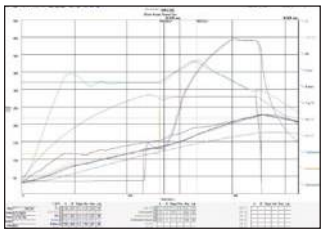
DHS Site Scavenging

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.



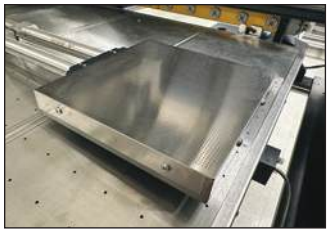
One-run Auto Profiling

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 LT150 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.



Triple Stage Heating

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