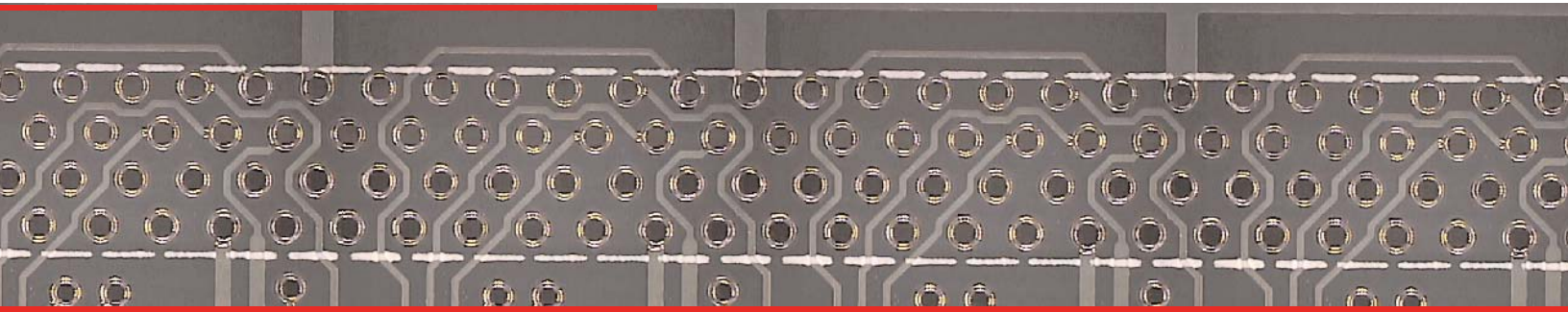




VJ ELECTRONIX

A VJ Technologies Company



400ST

THROUGH-HOLE REWORK SYSTEM

The VJ Electronix 400ST provides a controlled convective heating process for rework of Plated Through Hole (PTH) devices. The convection process eliminates copper dissolution issues experienced with traditional Solder Fountain rework methods. Plated Through Hole barrels are protected through multiple rework cycles.

Using VJE's Triple Stage Heating technology, the 400ST safely provides PTH component removal, site dressing and component replacement on all PWB types including large, high mass boards. Infrared area array bottom heating conditions the entire board and minimizes thermal stress. Localized closed-loop convection top and bottom heating provides safe, reliable thermal profile control throughout the cycle.

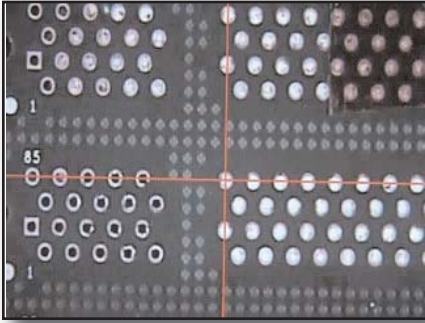
The 400ST prepares barrels for component replacement using VJE's automated Dynamic Height Sensing (DHS) Scavenger solder removal. Motorized X, Y, and Z motions assure consistent results while eliminating risk of over exposure. The combination of DHS Scavenging gap control and programmable tip force protect the board surface.

The 400ST small footprint and economic price point make the system an ideal solution for both small, high mix and large production environments. Using VJ Electronix renowned *SierraMate*® software, operation and process development are fast and easy.

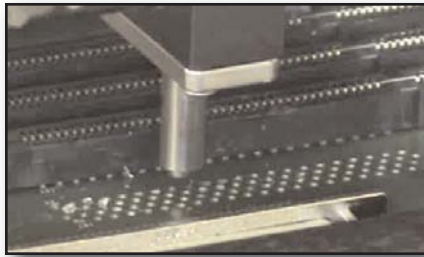


*Avoid Damage to Copper Barrels
with Automated Convection Rework*

Because Technology Matters



Easy operation for repeatable results.



Configurable, with tooling for a variety of devices including closely spaced connectors.



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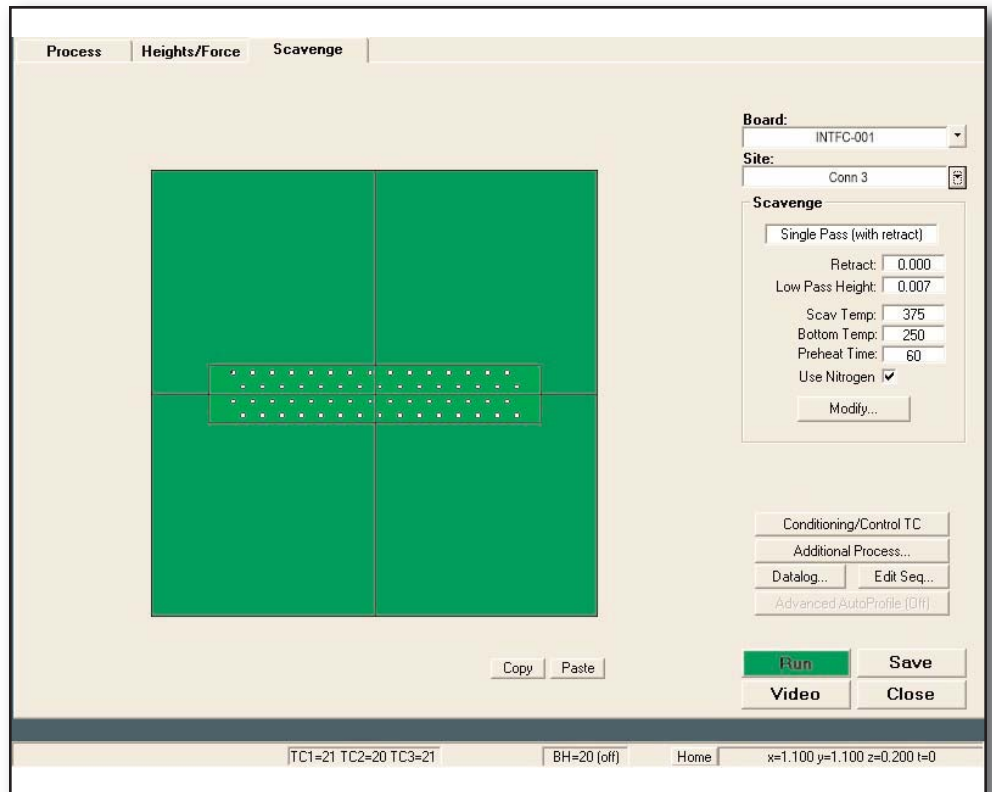
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400ST

System Specifications and Facility Requirements:

Top Local and Scavenger Heater Power	1200 Watts
Bottom Local Heater	1000 Watts
Bottom Area Heater	1.5 kW (Optional 3kW)
Automated X-Y Motion (Scavenge Area)	Up to 8" (203mm) square
Board Size	Up to 14" x 20" (355 x 508mm)
Vacuum	Self Contained
Footprint	28" (711mm) square
Power	208/230VAC, 20 Amp, 50/60Hz
Gas (Air or Nitrogen)	80psig, 10cfm



Scavenging Process Set-up screen - SierraMate software

Built on the VJE Gantry Platform, the 400ST handles large PCB's while occupying a very small space. The Infrared bottom heater which provides uniform area heating to minimize thermal stress is combined with efficient convection top and bottom local heating for optimum control and throughput. Requiring only a 208/230 VAC supply and low volume compressed air or Nitrogen, the system is effectively "Plug and Play" and is easily installed in any convenient work place.