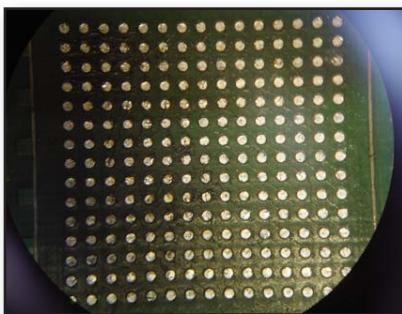
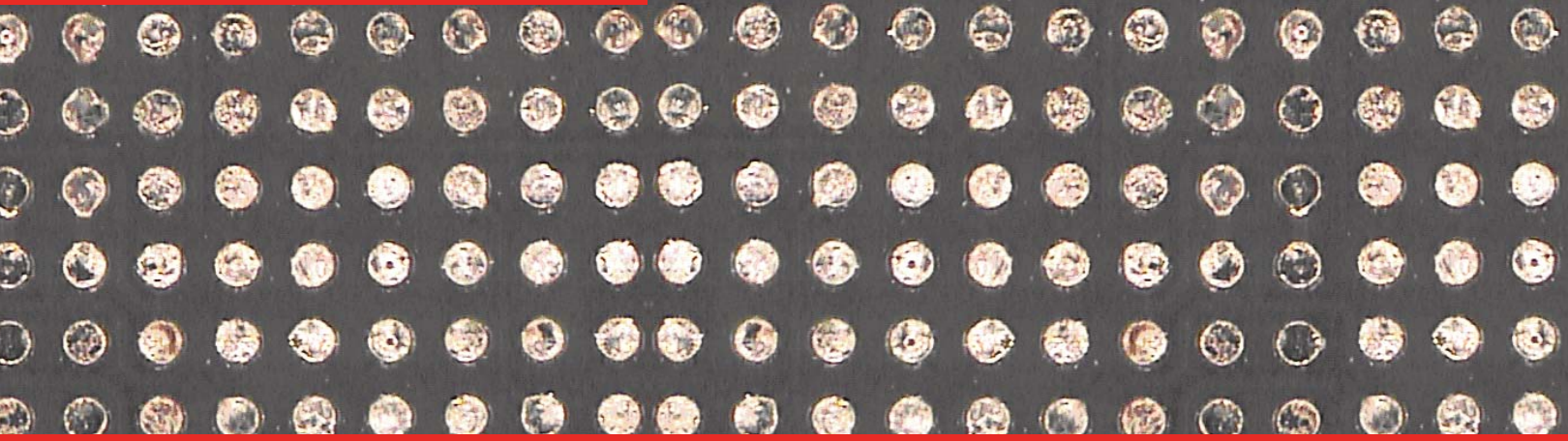




# VJ ELECTRONIX

A VJ Technologies Company



*BGA site cleaned using  
PMT 400S with air*

## PMT 400S

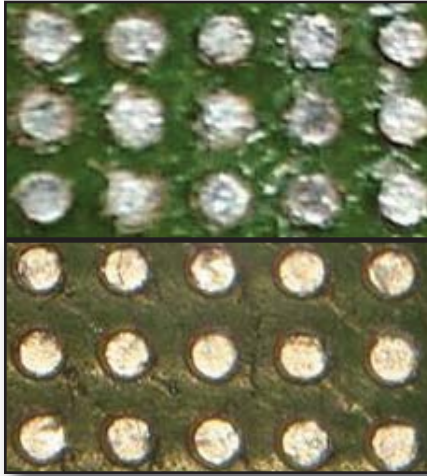
### SOLDER SCAVENGER SYSTEM

The VJ Electronix PMT 400S is a stand-alone, non-contact system for the automatic removal of residual solder from a rework site. Based on the well established Summit Scavengers, the 400S provides all the advanced features necessary for rapid and repeatable site dressing.

Employing the easy to use SierraMate Scavenging software with simple 1 – 2 – 3 – GO point-and-click user interface, the 400S with its Dynamic Height Sensing delivers a low cost solution to the toughest challenges.

The 400S scavenger, with its automated X – Y motion, is pre-programmed to traverse the component site in the fastest and most efficient fashion resulting in the optimum heat transfer to melt the solder while subjecting the PCB to the minimum time/temperature exposure. The design of the scavenge head and the Dynamic Height Sensing feature combine to perform the solder removal operation in such a fashion as to leave the component footprint in the most suitable condition of solderability for the replacement of a new component. Suitable for conventional Sn/Pb and Lead Free solders, the 400S is shop floor ready for today's production environments.

***Where Technology Meets Production***



Dynamic Height Sensing is an essential feature of the 400S. This computer controlled feature maintains a preset distance between the Scavenger tool tip and the PCB surface, thus ensuring consistent processing over the whole component area.



## VJ ELECTRONIX

A VJ Technologies Company

### Offices:

Littleton, MA  
 Bohemia, NY  
 East Haven, CT  
 Atlanta, GA  
 Paris, France  
 Bangalore, India  
 Suzhou, China

Tel: +978.486.4777  
 Fax: +978.486.4550

Email: [electronixsales@vjt.com](mailto:electronixsales@vjt.com)

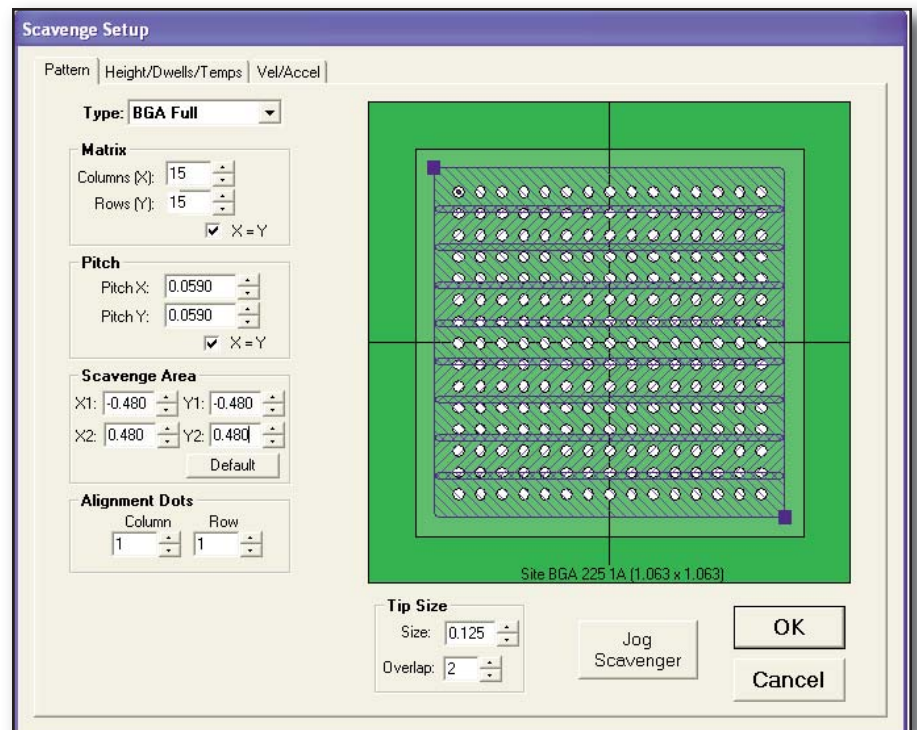
[www.vjelectronix.com](http://www.vjelectronix.com)

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 07/2008 REV01

## PMT 400S

### System Specifications and Facility Requirements:

Scavenger Heater Power	600 Watts
Bottom Heater	1.5 kW (Optional 3kW)
Automated X-Y Motion (Scavenge Area)	Up to 2" (508mm) square
Board Size	Up to 14" x 20" (355 x 508mm)
Typical Scavenge Time	<60 seconds for a 35mm BGA
Vacuum	Self Contained
Footprint	28" (711mm) square
Power	208/230VAC, 20 Amp, 50/60Hz
Gas (Air or Nitrogen)	80psig, 6cfm



Scavenger Set-up screen

Built on the PMT Gantry Platform, the 400S handles a large PCB while occupying a very small bench space. The Infrared bottom heater provides uniform area heating to minimize board warping and reduce total cycle time. 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.