

Heated Stage

X-ray Inspection Option

The Heated Stage is specifically designed to observe solder paste flow in real time. The ability to simulate the temperature environment of a thermal oven or that of an external environment makes viewing voids and defects a must for in-depth analysis.

Viewing solder flow in real time allows for quick and informed decisions.



Heated Stage Module

Benefits:

- Research and failure analysis labs will benefit from the ability to accurately and quickly prototype or investigate samples
- Sites can quickly determine thermal oven profiles along with properties of solder paste compounds
- Failures in the fields due to high thermal conditions can be examined in a controlled process
- Suitable for BGA, LED, IGBT, material testing and joint interfaces
- Optional add-on for the Quadra™ 7 and Quadra™ 5

Features:

- Up to 350°C
- 45° oblique angle view
- Export movie and data
- Provision for cover gas (e.g. Nitrogen) for inert operation to eliminate oxidization*
- Oxygen monitor
- Programmable heat profile
- Top and bottom heater for even heat distribution



Video stills showing 'live' view of solder flow using our high resolution QuadraNT™ tube and AspireFP™ detector

* Cover gases are compatible with hardware

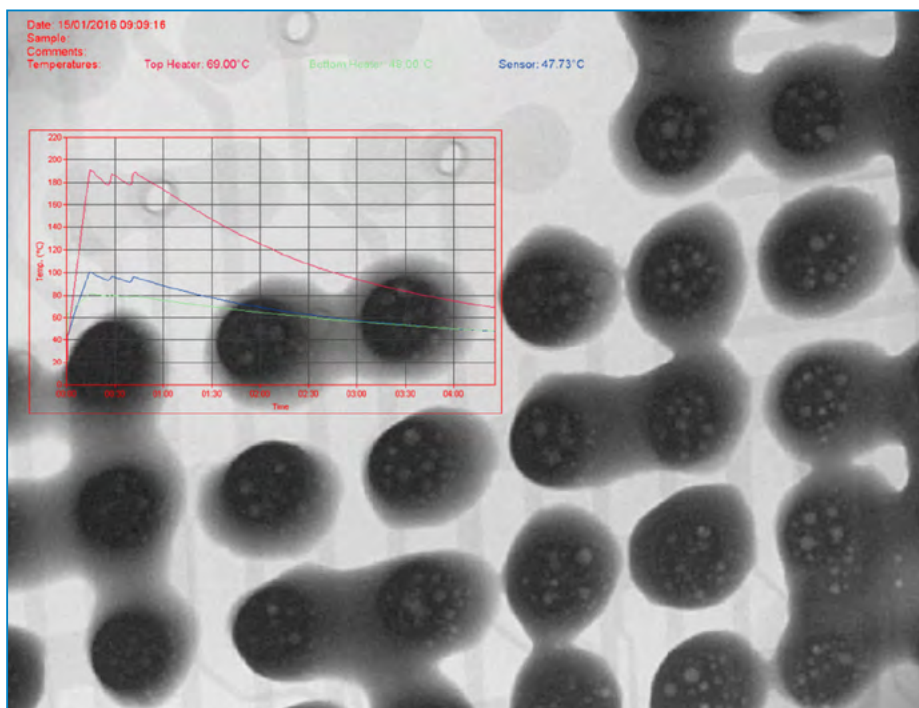


Figure 1: Configuration overlay graph

Specifications

Max Sample Size (L x W x H)	200 x 200 x 25 mm
Max Work Size (L x W x H)	100 x 100 x 25 mm This is the max sample size where all extremes can be placed in the heater area
Max Inspectable Field of View	15mm diagonal
Heating Methods	Bottom: Ceramic heater 1500W Top: Halogen heater 700W
Max Heating Temperature	350°
Oblique View	45°
Max Ramp Speed	<4/sec
Oxygen Meter	Included
Programmable Heating Profile	Yes
Easy Sample Placement	Yes
Electrical Supply Power	200 – 230V AC, 10A 50/60Hz single phase with ground Lockable Isolator. (Separate facility supply required)

For more information,
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