

## Optomec Aerosol Jet 200 System

### Specifications:

- Aerosol Jetting Technology
- Print Head: Fine Feature with features sizes from ~10 to 200 microns
- Planar and non-planar capabilities (automatic run along X and Y axes)
- Supports wide variety of inks/materials
- Nozzle to substrate stand-off height: Up to 5 mm
- Mechanical Shutter: 2 ms response time
- Standard Atomizer: 1x Ultrasonic & 1x Pneumatic: Ink (fully diluted or particle suspended) with viscosities from 0.7 to 1,000 centipoises at room temp (material dependent).
- Platen: 200 mm x 200 mm with vacuum & heating
- Print Speed: 100 mm/s max
- Motion accuracy:  $\pm 25$  microns
- Utilities: 28 LPM Nitrogen Gas Input
- Aerosol Jet 200 Benchtop System:
  - Sprint Fine Feature Printed Head with Shutter
  - Ultrasonic Atomizer
  - Pneumatic Atomizer with Heating and Stirring Control Module
  - Computer Control System
  - 200 mm x 200 mm Work Area with Vacuum Platen<sup>[SEP]</sup>
  - X/Y Motion Control System ( $\pm 25\mu\text{m}$  accuracy)<sup>[SEP]</sup>
  - Vision System (Process + Alignment Cameras + Lighting)
  - Process Control Software (KEWA tool)
  - Computer Control System (PC and Monitor)

