

26 June 2012

Specifications for Optical Inspection System Ref# 4200435418

- Must be able to perform 0 and 90 degree inspection (need to be able to look directly at or underneath electronic components)
- Must have a Stable stand with 7 axis of movement (z-axis movement required)
- Must be an Antistatic system
- Must have a free movable table
- Must have a minimum of four support columns
- Must have a table suited for oversize PCB (12 inch by 12 inch)
- Must have an adjustable metal halide light source
- Must have a mechanically coupled prism backlight (this is crucial, it places back light on same plane as the inspection head)
- Must be able to independently control front and backlight (this allows lighting to be quickly adjusted for optimal image quality)
- Additional illumination such as gooseneck and light brush is preferred
- Must have a minimum of two different inspection heads
- Must have metallic prism protection for BGA inspection head
- Must have a flip chip head for inspection of gaps below 30 um
- Inspection heads must be quickly interchangeable
- Must have Inspection heads with small footprints
- Focus scale for automated measurement preferred
- Must have a High resolution CCD-USB-camera (1.3 Megapixels or better)
- Optical lens adaptability, C Mount preferred