

# Alpha UV / White Light Stereo Inspection Microscope

for a wide range of ultra-violet inspection tasks



Alpha UV / White Light is an advanced stereo zoom microscope, ideal for a wide range of Non-Destructive Testing, Crack & Fatigue Detection, Conformal Coating Inspection of PCB's, UV Medical Adhesives & General UV Inspection tasks.

- Superb stereo vision gives unsurpassed crack and coating visibility
- Fast & accurate fault detection
- Enhanced productivity and reduced scrap rates

Alpha UV / White Light is a variant of Vision Engineering's Alpha stereo microscope, offering clear, magnified imaging of UV fluoresced cracks, flaws and coatings. Fault detection is made more effective by magnification highlighting minute cracks and pitting. Alternate UV / White Light inspection can be selected with a footswitch allowing the operator hands-free component manipulation.



Alpha UV with swing away boom mount for added flexibility



Expanded-Pupil eyepieces increase operator head freedom, reducing fatigue

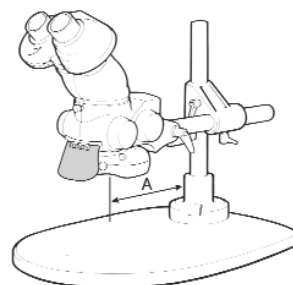
Alpha utilises Vision Engineering's patented Expanded-Pupil technology to provide up to 10 times greater freedom of head movement than conventional binocular eyepiece microscopes.

The Expanded-Pupil optics of Alpha significantly increase head freedom and eye relief, reducing operator stress and fatigue over long working periods. Alpha is used in a wide range of industrial applications including general manufacturing, medical devices, electronics, precision engineering, plastics and rubber.

Optical Data			
Zoom Range	Working Distance	Field of View at Max. Zoom	Field of View at Min. Zoom
x7 - x40	85mm	4.4mm	24.9mm

### Illumination

- 2 high frequency concentric lamps - UVA/White (2 x UVA or 1 x UVA + 1 x White)
- Long lamp life (3500+ hours)
- Typical performance (at x4 magnification)
  - UV intensity: 1300+mw/cm<sup>2</sup> / \*2600+mw/cm<sup>2</sup> \*without white light (optional)
  - Wavelength 365nm
  - White light 1.5 foot candles
- Independent central switch for each UV lamp
- Footswitch control for white light
- Power supply: 100-120V or 220-240V A/C



Dimensions  
A = 400mm max.

Unpacked weight  
Head & Stand = 19.0kg

Packed weight  
Head & Stand = 22.0kg



Vision Engineering manufactures a comprehensive range of ergonomic stand-alone mono and stereo microscopes as well as a complete line of non-contact measuring systems.

For more information...

Vision Engineering has a network of offices and technical distributors around the world. Please contact your Vision Engineering branch, local authorised distributor, or visit our website.

Visit our multi-lingual website:  
[www.visioneng.com](http://www.visioneng.com)

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