

# Mantis Compact UV Stereo Inspection Microscope

for a wide range of ultra-violet inspection tasks



Mantis Compact UV is a patented stereo 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 with its superb clarity and image definition
- Fast & accurate fault detection
- Enhanced productivity and reduced scrap rates

Mantis Compact UV is a variant of Vision Engineering's Mantis Compact 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.



Mantis Compact UV with swing away boom mount for added flexibility



Eyepieceless optics increase operator head freedom, reducing fatigue

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

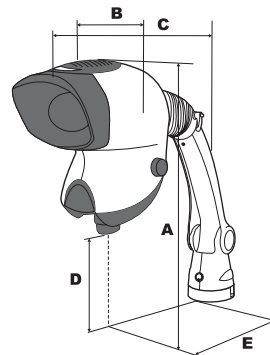
The Expanded-Pupil optics of Mantis Compact significantly increases head freedom and eye-relief, reducing operator stress and fatigue over long working periods. Mantis Compact is used in a wide range of industrial UV applications including Non-Destructive Testing, crack and fatigue detection, conformal coating inspection of PCBs, UV medical adhesives and general UV inspection tasks.

## Technical Data

Optical Data		
Objective Lenses	Working Distance	Field of View
x2	167mm	45.0mm
x4	96mm	27.5mm
x6	73mm	19.2mm

Lighting Data	
Light intensity measured at subject. Wavelength peak at 375 ± 5 nanometers.	
20 UVA LEDs	10,000 Hours
2.4m W/cm <sup>2</sup>	

Power Supply
9V DC external plug transformer



### Dimensions

- A = 395mm - 605mm
- B = 213mm
- C = 656mm - 775mm
- D = 90mm - 300mm
- E = 335mm - 545mm

**Unpacked weight:**  
Head 2.1kg Stand 3.3kg

**Packed weight:**  
Head 4.1kg Stand 4.6kg