

Mantis Elite UV Stereo Inspection Microscope

for a wide range of ultra-violet inspection tasks



Mantis Elite 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
- Independent central switch for UV lamp
- Footswitch control for white light

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



Eyepieceless optics increase operator head freedom, reducing fatigue

Mantis Elite 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 Elite significantly increases head freedom and eye-relief, reducing operator stress and fatigue over long working periods. Mantis Elite 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.



Mantis Elite UV with swing away boom mount for added flexibility

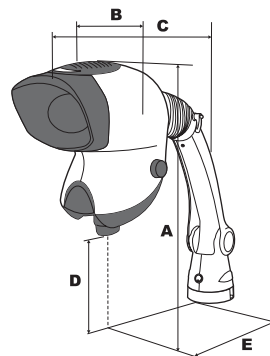
Technical Data

Optical Data		
Objective Lenses*	Working Distance	Field of View
x4	96mm	27.5mm
x6	73mm	19.2mm
x8	59mm	17.0mm
x10	54mm	13.5mm

* single mount objective replaces twin turret assembly.

Lighting Data	
Light intensity measured at subject. Wavelength peak at 375 ± 5 nanometers.	
2 high frequency concentric lamps UVA/White	7,000 Hours
1300 $\mu\text{W}/\text{cm}^2$	

Power Supply
100-120V 220V-240V A/C



Dimensions

- A =** 415mm - 624mm
B = 212mm
C = 593mm - 802mm
D = 83mm - 292mm
E = 352mm - 622mm

Unpacked weight:

Head 3.0kg Stand 3.3kg

Packed weight:

Head 5.0kg Stand 4.6kg



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.

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