

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.

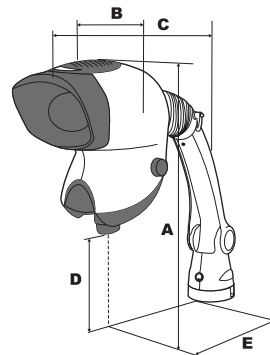
The Expanded-Pupil optics of Mantis Compact significantly increases head freedom and eye-relief, reducing operator stress and fatigue over long working periods. Mantis Compact is used in a wide range of industrial UV applications including Non-Destructive Testing, crack and fatigue detection, conformal 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 ²	

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



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.

Vision Engineering Ltd.
(Manufacturing)
Send Road, Send, Woking,
Surrey, GU23 7ER, England
Tel: +44 (0) 1483 248300
Fax: +44 (0) 1483 223297
Email: generalinfo@visioneng.com

Vision Engineering Inc.
(Manufacturing & Commercial)
570 Danbury Road, New Milford,
CT 06776 USA
Tel: +1 (860) 355 3776
Fax: +1 (860) 355 0712
Email: info@visioneng.com

Vision Engineering Ltd.
(Central Europe)
Anton-Pendele-Str. 3,
D-82275, Emmering, Germany
Tel: +49 (0) 8141 40167-0
Fax: +49 (0) 8141 40167-55
Email: info@visioneng.de

Vision Engineering Ltd.
(France)
1 Rue de Terre Neuve, ZA Courtaboeuf,
91967 Les Ulis Cedex, France
Tel: +33 (0) 164 46 90 82
Fax: +33 (0) 164 46 31 54
Email: info@visioneng.fr

Vision Engineering Ltd.
(Commercial)
Monument House, Monument Way West,
Woking, Surrey, GU21 5EN, England
Tel: +44 (0) 1483 248300
Fax: +44 (0) 1483 248301
Email: generalinfo@visioneng.com

Vision Engineering Inc.
(Commercial West Coast USA)
745 West Taft Avenue, Orange,
CA 92865 USA
Tel: +1 (714) 974 6966
Fax: +1 (714) 974 7266
Email: info@visioneng.com

Nippon Vision Engineering
(Japan)
272-2 Saedo-cho, Tsuduki-ku,
Yokohama-shi, 224-0054, Japan
Tel: +81 (0) 45 935 1117
Fax: +81 (0) 45 935 1177
Email: info@visioneng.jp

Vision Engineering Ltd.
(Italy)
Via Cesare Cantù, 9
20092 Cinisello Balsamo MI, Italy
Tel: +39 02 6129 3518
Fax: +39 02 6129 3526
Email: info@visioneng.it



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www.visioneng.com

Distributor