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 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

<table>
<thead>
<tr>
<th>Objective Lenses</th>
<th>Working Distance</th>
<th>Field of View</th>
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</thead>
<tbody>
<tr>
<td>x2</td>
<td>167mm</td>
<td>45.0mm</td>
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<tr>
<td>x4</td>
<td>96mm</td>
<td>27.5mm</td>
</tr>
<tr>
<td>x6</td>
<td>73mm</td>
<td>19.2mm</td>
</tr>
</tbody>
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Lighting Data

- Light intensity measured at subject. Wavelength peak at 375 ± 5 nanometers.
- 20 UVA LEDs
- 10,000 Hours
- 2.4m W/cm²

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.

Visit our multi-lingual website:
www.visioneng.com