

**Mantis Elite** is a high performance stereo microscope, offering 3D optical imaging with magnification options up to 20x, making it a perfect alternative to more traditional stereo microscopes.

Large fields of view and generous working distances allow for a wide range of inspection, preparation and manipulation tasks to be carried out, all with exceptional hand-eye coordination.



Mantis Elite, with counter-balanced universal stand for flexibility and ease of use.

- High value, high specification patented design with superb optical performance
- Long working distance and large field of view for easy sample manipulation and rework
- 2x - 20x magnification options with quick change turret allows users to switch between low magnification inspection and high magnification fine detail tasks
- Bright white, true color, LED illumination providing up to 10,000 hours of shadow-free viewing
- Superb hand-eye coordination for inspection and manipulation tasks
- Patented optics maximize head freedom providing superb ergonomics and minimal eye fatigue



High stability bench stand with integral focus and substage illumination.



Articulated arm, designed specifically for applications requiring extended reach, without compromising stability.

## Options



### Floating Stage

Provides smooth and sensitive control allowing for samples to be accurately inspected. For use with bench stand only.



### Episcopic Illuminator

Through-the-lens illumination for the inspection of bore holes and complex internal/external features. Iris control for precise light positioning.



### UV Lighting

Switchable UV-white light illumination for UV inspection applications and fast and accurate fault detection.



### Secondary Link Arm

A secondary link increases total reach of articulated arm to 847.5mm and provides added flexibility and maneuverability.



### Floor Stand

Ideal for inspection where subjects are immobile or require a standing position. For use in conjunction with articulated arm. Lift, swing, tilt and rotate capability.

## Optical Data

Objective Lenses	Working Distance	Field of View
2x	6.30" (160 mm)	2.24" (57.0 mm)
4x	3.78" (96 mm)	1.34" (34.0 mm)
6x	2.68" (68 mm)	0.91" (23.0 mm)
6x SLWD*	4.41" (112 mm)	0.79" (20.0 mm)
8x	2.32" (59 mm)	0.67" (17.0 mm)
10x	2.13" (54 mm)	0.53" (13.5 mm)
15x	1.57" (40 mm)	0.35" (8.8 mm)
20x	1.14" (29 mm)	0.23" ( 6.5 mm)

## Accessories

Lens protection caps  
Dust cover  
Replacement LED array

\* cannot be used together with 2x or 20x lens