



# EMZ-13TRHD

Trinocular Greenough Design,  
Stereo Zoom Body (90mm W.D)  
High Eyepoint with Detent



EMZ-13TRHD (1.0X–7.0X) Trino Zoom Stereo Body with Detent, High Eyepoint Capability Working Distance 90mm

## KEY FEATURES

- Zoom Ratio: 7:1
- Zoom Range: 1X–7X
- Magnification: 10X–70X (10X eyepieces)
- Field of View: 23mm–3.2mm
- Working distance: 90mm
- Extended Mag Range: 3X–420X (With auxiliary lenses and eyepieces)
- Trinocular Port
- Mounting: Fits 84.5mm Diameter Focus Holders
- Warranty: LIMITED LIFETIME WARRANTY
- Manufacturer: MADE IN JAPAN

## SPECIFICATIONS

The EMZ-13TRHD is a new and improved high eye point model with an eye relief of 20.9mm designed for microscopists and for people who wear glasses. It is specially designed to give the user more clearance between their eyes and the microscope. The high eye point models also use a newly designed eyepiece with a wider designed lens to compliment the high eye point models.

The EMZ-13TRHD trinocular zoom body with detent is used for photography and video applications and offers an extended zoom ratio of 7:1, the highest in its series. Its modular design enables the user to select magnification from 3X–420X. The large zoom range means the user can expect superb optical performance and maneuverability. The paired objectives are parfocussed and parcentered that guarantees observation of exceptionally high resolution images throughout a wide magnification range. The EMZ-13 series offer working distances from 34mm–252mm. The EMZ-13TRHD employs Greenough optics, for improved image flatness and contrast. As a result images are brighter and more distinct even at the periphery of the field of view. It is suitable for precision-oriented semiconductor, medical device and routine inspection. In addition to its compact design and versatility a wide variety of auxiliary lenses and stands are available to allow the user to customize their desired working distance to adapt to almost any work/lab application.

**NOTE:** Additional items are needed to create a full microscope system. The following components are normally ordered:

- Stereo Microscope Body (Zoom, Turret or Fixed)
- Eyepieces (Requires 2 of identical magnification)
- Stand (Pole stands, rigid arm stands, boom stands, heavy duty boom stands, wide surface stands or articulated arm stands)
- Illumination Source (Fiber optic halogen, fiber optic LED, fluorescent ring or LED illumination)
- Auxiliary Lens (Optional)

### Included with Microscope:

- MA906: Rubber eyeshields (paired)
- MA703: Vinyl dust cover for EM series

### Optional Eyepieces Available:

- MA522: Super Widefield Eyepiece High Eye Point 10X (paired)
- MA818/2: Super Widefield Eyepiece High Eye Point 15X (paired)
- MA819/2: Super Widefield Eyepiece High Eye Point 20X (paired)

### Optional Auxiliary Lens:

- MA517: Auxiliary Lens 0.5X, 150mm (5.9") W.D
- MA526: Auxiliary Lens 0.75X, 97mm (3.8") W.D
- MA507: Auxiliary Lens 1.5X, 49mm (1.9") W.D

## PACKAGING INFORMATION

- Ships in 14" x 8" x 9" box
- Weighs 7 lbs