



# EMZ-5TR

Trinocular Greenough Design,  
Stereo Zoom Body (93mm W.D)



EMZ-5TR (0.7X–4.5X) Trinocular Zoom Greenough Stereo Body,  
Working Distance 3.7" (93mm)

## KEY FEATURES

- Zoom Ratio: 6.5:1
- Zoom Range: 0.7X–4.5X
- Magnification: 7X–45X (10X eyepieces)
- Field of View: 32mm–5.1mm
- Working distance: 93mm
- Extended Mag Range: 2.1X–270X (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-5TR trinocular zoom body is used for photography and video applications. When the beamsplitter is engaged, 100% of the light from the left optical path is directed to the phototube. The image can still be viewed through the right eyetube. The EMZ-5TR employs greenough optics for improved image flatness and contrast. The EMZ-5TR offers high resolution erect unreversed stereoscopic image. 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 application. Photomicrography made easy with over 300 available digital, analog and SLR camera adapters.

**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:

- **MA600:** Rubber Eyeshields for SWF eyepieces (paired) (Fits 30.5mm O.D eyepieces)
- **MA703:** Vinyl dust cover for EM series

### Optional Eyepieces Available:

- **MA501:** Super Widefield Eyepiece 5X, Field No. 26.0 (paired) (no reticle mount)
- **MA502:** Super Widefield Eyepiece 10X, Field No. 23.0 (paired) (25mm reticle mount)
- **MA520:** Super Widefield Eyepiece 12.5X, Field No. 20.0 (paired) (25mm reticle mount)
- **MA503:** Super Widefield Eyepiece 15X, Field No. 15.4 (paired) (25mm reticle mount)
- **MA504:** Super Widefield Eyepiece 20X, Field No. 11.5 (paired) (25mm reticle mount)

### Optional Auxiliary Lens Available:

- **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

**Technical Data**

Lamp	150 W Quartz halogen, 21V (EKE, EJV or EJA) as ordered
Voltages	115/60, 230/50 (Set at factory)
Lamp Life	200-10,000 Hours depending on intensity
Fuse	115 VAC: 3 Amp, 250V, 3A slow blow, 5 x 20 mm 230 VAC: 2 Amp, 250V, 2A slow blow, 5 x 20 mm
Color Temperature	3100-3400 degrees Kelvin depending on lamp used
Safety Approvals	115 VAC - UL & C-UL 230 VAC-CE
Dimensions	6 in. L x 8.5 in. W x 5.3 in. H 15.3 cm L x 21.6 cm W x 13.5 cm H
Weight	7.75 lbs. (3.6 kg.)
Max. Housing Temp.	15°C above ambient

**Environmental Conditions Use Specifications**

Type of Use	Indoor at max. altitude of 2,000 M
Ambient Temperature	+5°C to +40°C
Relative Humidity	80% maximum up to +31° C (non-condensing) decreasing linearly to 50% relative humidity @ +40° C
Installation Category	II
Pollution Degree	2

NOTICE: If the equipment is used in a manner not specified by the manufacturer, the protection provided by the equipment may be impaired.

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