



# EMZ-8TR

## TRINOCULAR ZOOM STEREO

EMZ-8TR with MA502 SWF10X eyepieces



The versatile **EMZ-8TR** zoom stereo body features high-resolution zoom optics, which deliver crisp sharp images, excellent resolution and superior image contrast. The **EMZ-8TR** has been specially designed for extended use in assembly, inspection, teaching and training situation.

The **EMZ-8TR** trinocular body directs light to all three viewing ports simultaneously. The specimens image can be viewed through both eyepieces while being observed on a video monitor or photographed using the standard 35mm or Polaroid camera accessories.

The **EMZ-8TR** offers a 6.5:1 zoom ratio and provides extended magnifications from 2.45X to 202.5X with optional eyepieces and auxiliary lenses.

A specially designed video "C" mount with built-in 0.6X lens is also available as an option. Using the MA151/8TR video "C" mount results in an approximate 40 percent increase in your video monitors field of view.



EMZ-8TR on P Stand with MA502 SWF10X eyepieces



EMZ-8TR on PBH Stand with MA502 SWF10X eyepieces



EMZ-8TR with MA502 SWF10X eyepieces and "C" mount on P Stand with FL152 Fiber optic illumination system



# EMZ-8TR

## TRINOCULAR ZOOM STEREO

### BENEFITS AND FEATURES

- Convergent optical system (Greenough design).
- Crisp, erect high resolution images with excellent stereoscopic effect.
- Rugged all metal body designed to last a lifetime.
- Zoom range : 0.7X to 4.5X. • Zoom ratio 6.5 : 1.
- Ergonomically positioned bilateral zoom controls.
- Binocular eyetubes inclined at 45° for fatigue free viewing.
- Total magnification range available with optional auxiliary lenses and eyepieces : 2.45X to 202.5X
- Dual diopter adjustment ( $\pm 5$  diopters) allows the specimen to remain in focus throughout the entire zoom magnification range.
- Interpupillary distance adjustment from 54mm to 75mm.
- Trinocular body can be rotated a full 360° and locked in any position.
- Standard working distance : 104mm
- Extended working distances with optional supplementary lenses : 57mm to 250mm

### VIDEO "C" MOUNTS

**MA151/8TR** "C"mount with 0.6X lens for use with the EMZ-8TR only.

### SUPPLEMENTARY LENSES

**MA792** Supplementary lens 0.35X, working distance : 250mm

**MA794** Supplementary lens 0.5X, working distance : 174mm

**MA795** Supplementary lens 1.5X, working distance : 57mm

### SMD ATTACHMENT

**MA797** SMD oblique viewing attachment for EMZ-8TR only.



EMZ-8TR with MA502 SWF10X eyepieces



EMZ-8TR with MA502 SWF10X eyepieces and MA151/8TR "C"mount with 0.6X lens



MA151/8TR  
"C"mount with 0.6X lens



EMZ-8TR with MA502 SWF10X eyepieces and MA151/10 "C"mount

### EMZ-8TR OPTICAL DATA

EMZ-8TR Zoom Range	Eyepieces Auxiliary Lens	SWF10X		SWF12.5X		SWF15X		SWF20X		SWF30X		Working Distance (mm)
		Total Magnification	Field Diameter (mm)	Total Magnification	Field Diameter (mm)	Total Magnification	Field Diameter (mm)	Total Magnification	Field Diameter (mm)	Total Magnification	Field Diameter (mm)	
0.7X~4.5X	None	7X~45X	32.8~5.1	8.75X~56.25X	28.5~4.4	10.5X~67.5X	22~3.4	14X~90X	16.4~2.6	21X~135X	11~1.7	104
	0.35X	2.45X~15.75X	93.7~14.5	3.06X~19.68X	81.4~12.5	3.67X~23.62X	62.8~9.7	4.9X~31.5X	46.8~7.4	7.35X~47.25X	31.4~4.8	250
	0.5X	3.5X~22.5X	65.6~10.2	4.37X~28.12X	57~8.8	5.25X~33.75X	44~6.8	7X~45X	32.8~5.1	10.5X~67.5X	22~3.4	174
	1.5X	10.5X~67.5X	21.8~3.4	13.12X~84.37X	19~2.9	15.75X~101.25X	14.6~2.2	21X~135X	10.9~1.7	31.5X~202.5X	7.3~1.1	57

Supplied in styrofoam case with dust cover and instruction manual.

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