

Magnus

MSZ

Parfocality

One Time Focus for all  
Zoom Magnifications

Ergonomic Design for Ease of Operation

Zoom Ratio 1:7



MSZ-TR Trinocular Version



MSZ-BI Binocular Version

STEREO ZOOM MICROSCOPES FOR BIOLOGICAL & INDUSTRIAL USE

# Features

## High Performance:

The high performance MSZ Series stereo microscopes utilize a Greenough design and feature a 1 : 7 zoom ratio with a 100mm working distance and a large visual field. The parfocality allows an erect image of the observed specimens to stay in focus through repeated changes in the magnification. It is ergonomically designed for ease of operation.

## Durability:

In addition to performance and comfort, a highlight of the MSZ is its durability. Promoting one of the finest ball bearing guideways making the focusing mechanism extremely robust.

## Optional Accessories

### Accessory for Inspection of Gems & Micro Samples

Darkfield Attachment (with specimen holder) for inspection of GEM & MICRO SAMPLES under transmitted light  
(To be used with Stereo Microscopes MSZ)

## Optional Lights

Fluorescent Ring Light  
Fibre Optics Illumination (Ring Light)  
Fibre Optics Illumination (Bifurcated)

## Auxiliary Objectives & Eyepieces

Eyepieces (Paired) Widefield 15x or 20x or 25x  
Auxiliary Lens 1.5x or 2x



MIPS (Micro Image Projection System) :  
Optional attachments on MSZ & MSZ-TR



Gems - Inspection Accessories  
Darkfield attachment (with specimen holder) for inspection of  
Gems & Micro samples under transmitted light

## Standard Configurations

	<b>MODEL MSZ-BI</b>	<b>MODEL MSZ-TR</b>
Optical body	Binocular body	Trinocular body
Zoom ratio	1 : 7	
Objective zoom range	0. 65X - 4.5X	
Eyepiece	SWF10X/22mm (High eye-point Super Widefield Eyepieces)	
Working distance	100mm	
Interpupillary distance adjustment	55mm-75mm	
Binocular head inclination of	45°	
Diopter adjustment	+/- 5 diopter	
Optical Body Rotation	360° with reflected and transmitted illumination Voltage input 220V/50HZ Top halogen lamp 6V15W adjustable brightness bottom fluorescent lamp 5W	

## MSZ Series Optical Data

Auxiliary Lens (optional)	WF 10X (standard)		WF 15X (optional)		WF 20X (optional)		WF 25X (optional)		Working Distance mm
	Mag	FOV mm	Mag	FOV mm	Mag	FOV mm	Mag	FOV mm	
<b>1.5x</b>	9.8x - 67.5x	22.5 - 3.3	14.6x - 101.3x	16.4 - 2.3	19.5x - 135x	13.3 - 1.9	24.4x - 168.8x	12.3 - 1.7	<b>45</b>
<b>2.0x</b>	13x - 90x	16.9 - 2.5	19.5x - 135x	12.3 - 1.8	26x - 180x	10 - 1.4	32.5x - 225x	9.2 - 1.3	<b>40</b>

The user may select different objective and eyepiece as per the requirement of magnification, working distance, visual field and depth of field.

**Magnus**

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All standard sets are supplied as per specifications which are subject to change without any obligation on the part of the manufacturer.  
Optics are anti-fungus treated & with multi-layer coatings. Accessories shown may not be part of standard equipment.