

## Stereo Zoom Microscope Series CV-MZ630B

Binocular microscope with incident and transmitted illumination

### Features

- High quality stereo zoom microscope
- Delivers sharp high contrast images
- Excellent zoom ratio of 1:6.5
- Wide zoom magnification range 7x - 45x standard, 2.1x - 225x with optional lens
- Working distance range of 38mm - 314mm simplifies observation deep into the specimen
- Perfect for industrial inspection and for assembly purposes



### CV-MZ630B SERIES STEREO ZOOM MICROSCOPES

Model	CV-MZ630B/10	CV-MZ630B/15	CV-MZ630B/20	CV-MZ630B/25
With ocular	WF10x	WF15x	20x	25x
With optional auxiliary objective	Total magnification 7x-45x	Total magnification 10.5x-67.5x	Total magnification 14x-90x	Total magnification 17.5x-112.5x
0.3x	2.1x-13.5x	3.2x-20.3x	4.2x-27x	5.3x-33.8x
0.5x	3.5x-22.5x	5.3x-33.8x	7x-45x	8.8x-56.3x
0.75x	5.3x-33.8x	7.9x-50.6x	10.5x-67.5x	13.1x-84.4x
1.5x	10.5x-67.5x	15.8x-101.3x	21x-135x	26.3x-168.8x
2x	14x-90x	21x-135x	28x-180x	35x-225x

### TECHNICAL SPECIFICATION

Magnification type	Zoom
Total magnification	7x - 45x (with standard oculars)
Zoom ratio	1:6.5 (0.7 - 4.5x)
Oculars	WF10x wide focus (standard)
Field of view	33mm - 5.1mm diameter
Working distance	108mm (standard)
Binocular tubes	Inclined 45°
Interpupillary distance	Adjustable 55mm - 75mm
Diopter adjustment	±5 Diopter (two eyepieces adjustable)
Eyepiece tube	Rotatable 360°
Camera system	Non
Light system	Incident and transmitted halogen illuminator 6V, 15W
Power	220V/50Hz or 110V/60Hz

### Standard Delivery

- Binocular stereo zoom microscope body
- Stand with incident and transmitted light and cylindrical pillar
- Oculars wide focus WF10x (pair)
- Spare lamps
- Power cable
- CV Instruments certificate

### Optional Accessories

- Oculars WF15x, 20x, 25x
- Auxiliary objectives 0.3x, 0.5x, 0.75x, 1.5x, 2x
- Pillar extensions for large specimen
- Spare lamps



## Stereo Zoom Microscope Series CV-MZ630T

Trinocular microscope featuring optical channel for CCD camera attachment

### Features

- Stereo zoom microscope with extra optical tube for cameras
- Delivers sharp, high contrast images
- Excellent zoom ratio of 1:6.5
- Wide zoom magnification range 7x - 45x standard, 2.1x - 225x with optional lens
- Working distance range of 38mm - 314mm simplifies observation deep into the specimen
- Perfect for industrial inspection and for assembly purposes



### CV-MZ630T SERIES STEREO ZOOM MICROSCOPES

Model	CV-MZ630T/10	CV-MZ630T/15	CV-MZ630T/20	CV-MZ630T/25
	With ocular	With ocular	With ocular	With ocular
	WF10x	WF15x	20x	25x
With optional auxiliary objective	Total magnification	Total magnification	Total magnification	Total magnification
non	7x-45x	10.5x-67.5x	14x-90x	17.5x-112.5x
0.3x	2.1x-13.5x	3.2x-20.3x	4.2x-27x	5.3x-33.8x
0.5x	3.5x-22.5x	5.3x-33.8x	7x-45x	8.8x-56.3x
0.75x	5.3x-33.8x	7.9x-50.6x	10.5x-67.5x	13.1x-84.4x
1.5x	10.5x-67.5x	15.8x-101.3x	21x-135x	26.3x-168.8x
2x	14x-90x	21x-135x	28x-180x	35x-225x

### TECHNICAL SPECIFICATION

Magnification type	Zoom
Total magnification	7x - 45x (with standard oculars)
Zoom ratio	1:6.5 (0.7 - 4.5x)
Oculars	WF10x wide focus (standard)
Field of view	33mm - 5.1mm diameter
Working distance	108mm (standard)
Binocular tubes	Inclined 45°
Interpupillary distance	Adjustable 55mm - 75mm
Diopter adjustment	±5 Diopter (two eyepieces adjustable)
Eyepiece tube	Rotatable 360°
Camera system	Tube for camera attachment
Light system	Incident and transmitted halogen illuminator 6V, 15W
Power	220V/50Hz or 110V/60Hz

### Standard Delivery

- Trinocular stereo zoom microscope body
- Stand with incident and transmitted light and cylindrical pillar
- Oculars wide focus WF10x (pair)
- Spare lamps
- Power cable
- CV Instruments certificate

### Optional Accessories

- Oculars WF15x, 20x, 25x
- Auxiliary objectives 0.3x, 0.5x, 0.75x, 1.5x, 2x
- C-mount adapter for CCD - camera
- Photo camera adapter
- Pillar extensions for large specimen
- Spare lamps

## Inverted Metallurgical Microscope EW-MM600

Inverted metallurgical microscope suitable for observing the microscopic surfaces of non-transparent objects. The EW-MM600 is equipped with an inverted mechanical stage and precision slide ways and accommodates large workpieces. Easy, fast and precise stage movement control using one hand only. Vertical illumination and trinocular polarizer device. Clear, crisp and high-contrast image with or without colour filters. Professional instrument for research work in metallographic environments or laboratories, mineralogy, precision engineering, electronics, etc.

### Features

- Plan achromatic objectives with long working distance (no cover glass) and wide-field eyepieces
- Clear and crisp images from the eyepiece or from the video channel
- Video channel connector (CCD adaptor) optional
- Works with normal cameras or video systems
- Large displacements of the mechanical stage, quick or slow movement
- Coaxial coarse/fine focus system, tension adjustable, upper limit stop, minimum division of fine focusing: 0.7µm
- 6V 20W halogen lamp, adjustable brightness
- Trinocular system, can easily be switched from manual observation to video channel



### TECHNICAL SPECIFICATION

Eyepiece	Wide field WF10X 18mm and Wide field WF12,5X 14mm
Objectives	Plan achromatic objectives with long working distance (no cover glass) PL 10X/0.25 PL 20X/0.40 PL 40X/0.60 PL 100X/1.25 (oil)
Eyepieces tube	Trinocular, Inclination of 45°, (Analyzer, switchable field diaphragm)
Vertical illumination unit	6V 30w, halogen lamp, with brightness control
Vertical illumination	Field diaphragm, aperture diaphragm and polarizer, (Y,B,G) filter and frosted filter, Filters Blue, Green, Grey, White
Focus system	Focus system, with tensional adjustable, up limit stop, minimum division of fine focusing: 0.7µm
Nosepiece	Quintuple (Frontward ball bearing innerlocating)
Stage	Three layer mechanical Size: 180mm x 165mm Plates 10 and 20 included Traverse 50x40mm

### Optional Accessories

- Eyepiece: Wide field WF10X 20mm, Wide field WF16X 13mm, Huygenian ocular 5X 20mm
- Stage plate: 40mm
- Camera system: Windows PC based software for image analysing
- Photographic unit: 10X Viewing eyepiece, 2.5X/4X Change over photograph attachment, 4X Focusing photograph attachment
- Digital camera adapter: 1X C-mount adapter, 0.6X C-mount adapter

## Metallurgical Microscope EW-MM650

Metallurgical microscope suitable for observing the microscopic surfaces of non-transparent objects. The EW-MM650 is equipped with a large mechanical stage and precision slide ways. Easy, fast and precise stage movement control using one hand only. Vertical illumination and trinocular polarizer device. Clear, crisp and high-contrast image with or without colour filters. Professional instrument for research work in metallographic environments or laboratories, mineralogy, precision engineering, electronics, etc.

### Features

- Plan achromatic objectives with long working distance (no cover glass) and wide-field eyepieces
- Clear and crisp images from the eyepiece or from the video channel
- Video channel connector (CCD adaptor) included
- Works with normal cameras or video systems
- Large displacements of the mechanical stage, quick or slow movement
- Coaxial coarse/fine focus system, tension adjustable, upper limit stop, minimum division of fine focusing: 0.7µm
- 6V 20W halogen lamp, adjustable brightness
- Trinocular system, can easily be switched from manual observation to video channel



### TECHNICAL SPECIFICATION

Eyepiece	Wide field WF10X (18mm)
Objectives	Plan achromatic objectives with long working distance (no cover glass) PL 5X/0.12 PL L10X/0.25 PL L20X/0.40 PL L40X/0.60 PL L80X/0.80
Eyepieces tube	Trinocular, Inclination of 30°, (Analyzer, switchable field diaphragm)
Vertical illumination unit	6V 20w, halogen lamp, with brightness control
Vertical illumination	Field diaphragm, aperture diaphragm and polarizer, (Y,B,G) filter and frosted filter
Focus system	Stage adjustable, Coaxial coarse/fine focus system, with tensional adjustable, up limit stop, minimum division of fine focusing: 0.7µm
Nosepiece	Quintuple (Frontward ball bearing innerlocating)
Stage	Three layer mechanical Size:250mm x 230mm, (Standard) Traverse range:154mm x 154mm Size:280mm x 270mm, (Optional) Traverse range: 204mm x 204mm

### Optional Accessories

- Eyepiece: Wide field WF16X(11mm)  
Dividing 10X(µ18mm)  
0.1mm/Div
- Objectives: Plan achromatic objectives with long working distance (no cover glass), PL 50X 0.70, PL 60X 0.75, PL 100X 0.85 (Spring), PL 100X 1.25 (Spring, oil)
- Filter: Green & Yellow filter
- CCD adapter: 0.4X ; 0.5X ; 1X ; 0.5X with dividing 0.1mm/Div
- Camera: DV-1 (With USB & video output), DV-2 (With USB output), DV-3 (With video output)
- Photographic unit:  
10X Viewing eyepiece, 2.5X/4X Change over photograph attachment 4X Focusing photograph attachment
- Digital camera adapter: CANON (A610, A620, A630, A640)



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