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U.S. MICRO-OPTICAL SOLUTIONS
FL-115 STEREO ZOOM MICROSCOPE

5YEAR
WARRANTY

The **FL-115** is a sleek new high resolution stereo zoom 6 microscope with a magnification .8 - 50x. The sealed pod has a super **long 115mm working distance**. This microscope and stand is enclosed and locked for ease of use by students and professionals.

VIEWING BODY

The binocular head rotates 360° and is inclined at a 45° angle for easy viewing. The pod features interpupillary adjustment.

EYEPIECE

Superwide 22mm diameter field of view, fixed 10x eyepieces are standard on the FL-115.

ZOOM OPTICS

The 6:3 1 zoom range has a 0.8x-5.0x primary magnification producing an image magnification of 8x-50x when using the standard 10x eyepieces. With optional eyepieces and objectives, your magnification can range from 8x to 100x.

FOCUSING ADJUSTMENT

Knurled knobs drive an all metal rack and pinion system that allows smooth focusing.

STAND

Rugged die cast aluminum stand with a cast upright and arm assembly. Optional stands and holders are available.

ARM & UPRIGHT ASSEMBLY

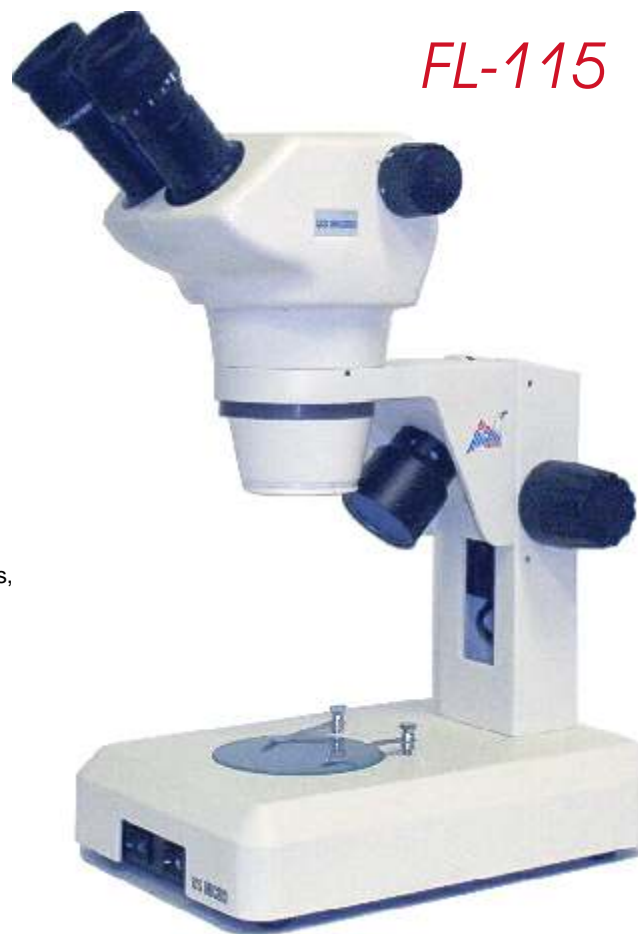
Rugged die cast aluminum arm is mounted to a rack and pinion upright focus assembly.

ILLUMINATION

The base (transmitted) illumination is a 10W halogen lamp while the incident (upper) lamp is a 20W halogen (filtered daylight light). Fluorescent, and fiberoptic ring lights are available for special applications.

STAGE

Cast aluminum stage platform comes with a frosted glass stage plate and metal stage clips to retain your sample. Optional solid black/white reversible stage plates are available.



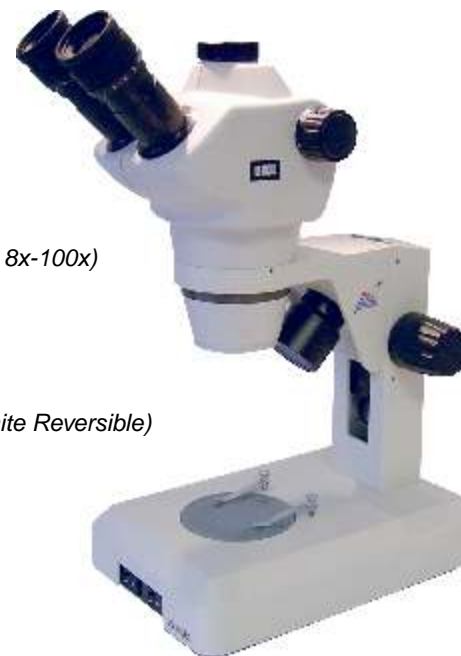
(Picture shown with focusable eyepieces)

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FL-115 SPECIFICATIONS

Viewing Head	<i>Binocular</i>
Head Rotation	<i>360°</i>
Head Incline	<i>45°</i>
Interpupillary Adjustment	<i>52mm to 75mm</i>
Dioptric Adjustment	<i>Right and Left Focusable (+/-4mm) (Optional)</i>
Eyepiece Magnification	<i>10x Widefield</i>
Eyepiece Field Diameter	<i>22mm</i>
Optional Eyepieces	<i>16x (16mm F.O.V.), 20x (12mm F.O.V.)</i>
Optional Supplementary Lenses	<i>2.0x Objective</i>
Magnification Range	<i>8x-50x Std. (Maximum Configured Range 8x-100x)</i>
Working Distance	<i>115mm</i>
Arm Ring I.D.	<i>76mm</i>
Stage Plate	<i>Frosted Glass Plate (Optional Black & White Reversible)</i>
Stage Clips	<i>Spring Tension</i>
Focusing Movement	<i>85mm</i>
Vertical Max. Extension	<i>130mm (From Base to Pod)</i>
Upper Illumination	<i>Incident Light-20W Halogen</i>
Lower Illumination	<i>Transmitted Light-10W Halogen</i>
Overall Dimensions	<i>6-3/4in. x 9-1/2in. x (13-3/4-17in.)</i>
Weight	<i>9 lbs.</i>

FL-115T



(Picture shown with focusable eyepieces)

MAGNIFICATION CONFIGURATIONS

Eyepiece	Supplementary Objective	Magnification Range	Working Distance	Field of View Dia.
10x	1.0/NONE	8x-50x	115mm	26.5mm-4.1mm
	2.0x	16x-100x	43.5mm	13.2mm-2.05mm



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