

U.S. MICRO-OPTICAL SOLUTIONS THE HAWK STEREO ZOOM MICROSCOPE

SOLUTIONS FOR INDUSTRIAL and EDUCATIONAL APPLICATIONS

5

YEAR
WARRANTY



The Hawk is a new sharp multi-functional stereo zoom microscope outfit perfect for on-site inspection. Bring the lab to your machine or work station with the Universal Flex Arm and fluorescent ring-light. Optional LED or Fiber Optic ring-lights are available. Spot illuminators are also available for those hard to see bores or deep pockets. **The Hawk** is easy to use with a wide field of view, high resolution and a long working distance. With various eyepieces and objectives you can magnify your object from 3.5x to 120x. The standard model 7x to 30x is perfect for on-site inspection. Outfit your machines or work stations with universal mounts and bring the lab to you. You can assure those hard to please customers of your product quality because it was inspected using ...



THE HAWK

VIEWING HEAD

The binocular head rotates 360° and can be adjusted to any angle for easy viewing when mounted on the Universal Flex arm.

STAND

The Hawk comes standard with a Universal Flex Arm stand and a clamp block mount. Optional vertical and horizontal mounts are also available. The flex arm is counterbalanced and offers **infinite** positioning options.

EYEPIECES

10x widefield (18mm F.O.V.) With eyeguards standard. Optional 15 and 20x available.

ILLUMINATION

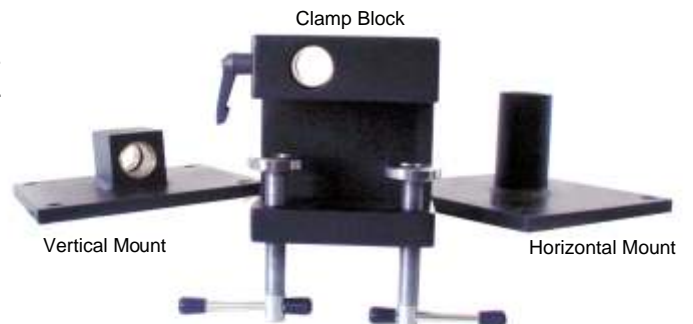
The 8 Watt fluorescent ring light comes standard on The Hawk. Optional 5 Watt LED ring light and 150 Watt Fiber Optic ring and spot illuminators are available.

ZOOM OPTICS

The .07x-3x primary magnification produces an image magnification of 7x-30x when using the standard 10x eyepieces. With optional eyepieces and objectives, your magnification can increase to 120x.

FOCUSING ADJUSTMENT

Large knurled knobs drive an upright mounted rack and pinion system that allows smooth focusing.



THE HAWK SPECIFICATIONS

Viewing Head	<i>Binocular</i>
Head Rotation	<i>360°</i>
Head Incline	<i>60°</i>
Interpupillary Adjustment	<i>46mm to 75mm</i>
Dioptric Adjustment	<i>Right eyetube adjustable (+/-5mm)</i>
Eyepiece Magnification	<i>10x Widefield</i>
Eyepiece Field Diameter	<i>18mm</i>
Optional Eyepieces	<i>15x (14mm F.O.V.), 20x (11mm F.O.V.)</i>
Optional Supplementary Lenses	<i>0.5x, 2.0x Objective</i>
Magnification Range	<i>7x-30x (Maximum Configured Range 3.5x-120x)</i>
Working Distance	<i>97mm</i>
Arm Ring I.D.	<i>88mm</i>
Focusing Movement	<i>55mm (Adjustable Torque)</i>
Standard Illumination	<i>8 Watt Fluorescent Ring</i>
Optional Illumination	<i>150 Watt Fiber Optic Ring, Spot Illuminator or 5 Watt LED Ring</i>
Weight	<i>23 lbs. (10.4 kg) approx.</i>

MAGNIFICATION CONFIGURATIONS

Eyepiece	Supplementary Objective	Magnification Range	Working Distance	Field of View Dia.
10x	0.5x	3.5x-15x	140mm	51.4mm-12mm
	1.0/NONE	7x-30x	97mm	25.7mm-6mm
	2.0x	14x-60x	50mm	12.8mm-3mm
15x	0.5x	5.25x-22.5x	140mm	40mm-9.4mm
	1.0/NONE	10.5x-45x	97mm	20mm-4.7mm
	2.0x	21x-90x	50mm	10mm-2.3mm
20x	0.5x	7x-30x	140mm	31.4mm-7.4mm
	1.0/NONE	14x-60x	97mm	15.7mm-3.7mm
	2.0x	28x-120x	50mm	7.9mm-1.8mm



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