Motic®

MORE THAN MICROSCOPY



INDUSTRIAL CATALOGUE

Canada
China
Germany
Spain
USA



Motic was founded in 1988 as a hi-tech industrial enterprise specialized in manufacturing conventional compound microscopes. Owned by Speed Fair Co. Ltd, the company has grown into a worldwide organisation with sales offices in Canada, Germany, Hong Kong, Spain and the United States.

Our manufacturing base in China consists of four fully-owned subsidiaries, manufacturing components for the company. Motic Xiamen is acting as the production headquarter of the company. It plays an important role, not only as the manufacturing centre, but also as an ideal location for our research and development department. Our R&D centre in Xiamen has over 100 professional engineers and technicians covering optical, mechanical, industrial, electronics and software design.

In early 1998's, the company started to explore and develop digital microscopy solutions, digital imaging products and application software. Today Motic also incorporates a software developing centre in Canada. This successful transition marked a milestone for the company, turning Motic into one of the first and leading brand names in digital microscopy.
The main success of Motic worldwide is, besides the excellent price-performance ratio of the microscopes, based on a close cooperation with our dealers:

Mutual benefit / Mutual goals / Long-term partnership

We are making continuous efforts to provide our customers with the latest technologies, excellent quality and, of course, the best possible service wherever you need it.







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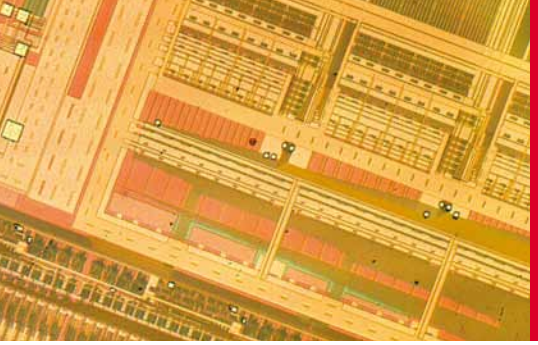
* For detailed information, please contact Motic team



Semiconductor Microscope

PSM-1000/PSM-1000E



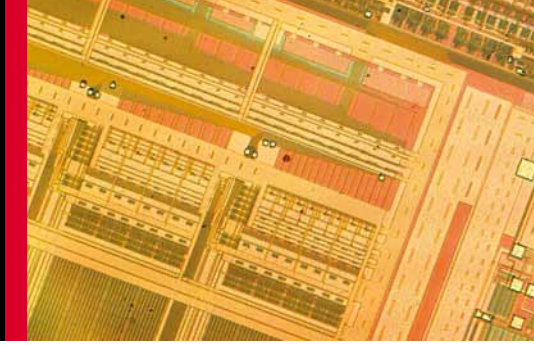
PSM-1000



PSM-1000E

"All – In One" laser ready microscope for inspection,
testing and corrections in the semiconductor industry.

		PSM-1000	PSM-1000E
Trinocular tube	Image	Erect Image	
	Interpupillary distance	Siedentopf type, adjustment range: 55mm-75 mm	
	Field Number	24mm	
	Optical pass ratio	Switchable [eyepiece/laser = 100/0 or 0/100]; Simultaneous observation [50:50]	
	Observation angle adjustment	/	3° to 30°
Main unit	Tube lens [correction]	1x [ultraviolet and infrared] and 2x [visible]	
	Laser work	Pull out beam splitter for laser work	
	Applicable laser	1064/532/355nm NWR laser	
Magnification range		20X – 2000X	
Focus Adjustment		With coaxial coarse and fine focusing wheels [right/left] [50mm travel range, 0.1mm/rev. for fine adjustment, 4mm/rev. for coarse adjustment]	
Loading weight on optical tube		20.5kg	
Camera mount		C-mount adapter	
Light source [optional]		150W cold light source, light guide length 2m.	
Objective nosepiece		Parcenterable, outward, rotary type for bright field lens [with 4 mounts], detachable	
Objectives [optional]	ELWD Plan Apo	2x, 5x, 10x, 20x, 50x	
	ULWD Plan Apo	50x,100x	
	ELWD Plan Apo [Parfocality Adjustable]	2x, 5x, 10x, 20x, 50x	
	ULWD Plan Apo [Parfocality Adjustable]	50x,100x	
	NIR Apo	20x, 50x	
Mass [main unit/light source]		6.8kg/2.5kg	

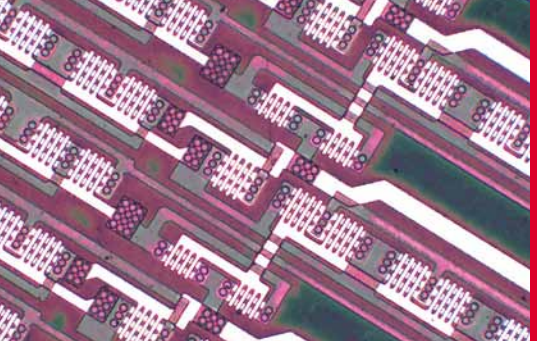


APO Objective



Superb optics with long working distances for crisp, detailed, aberration-free images.

Lens optical character	Magnification	N.A.	W.D. (mm)	Resolution (um)
ELWD Standard	2x	0.055	34	5
	5x	0.14	34	2
	10x	0.28	33.5	1
	20x	0.42	20	0.7
	50x	0.55	13	0.5
	100x(HNA)	0.8	3	0.34
ELWD Parfocality Adjustable	2x	0.055	34	5
	5x	0.14	34	2
	10x	0.28	33.5	1
	20x	0.42	20	0.7
ULWD Stardard	50x	0.42	20.5	0.7
	100x	0.55	13	0.5
Plan NIR	20x	0.4	20.5	0.7
	50x	0.42	19	0.7



Metallurgical Microscope

BA310MET



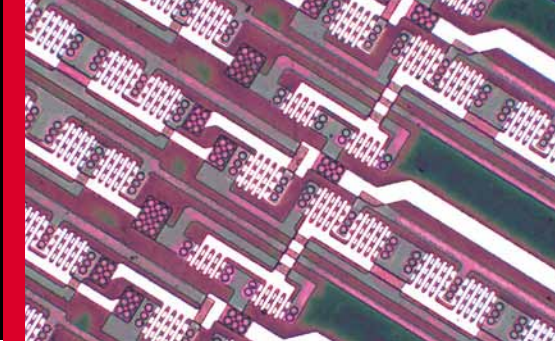
Now industrial quality control can be performed for all opaque materials like minerals and metal samples with ease and efficiency. The BA310MET also performs well in educational environments for engineering and material professions, where affordability and ease-of-use are key demands.

BA310MET	
Optical System	Color Corrected Infinity Optical System [CCIS®]
Eyepieces	N-WF 10X/20mm, with diopter adjustment
Observation Tube	Widefield binocular 30° [F.N. 20]
	Widefield trinocular 30° [F.N. 20] - light distribution 100:0/20:80
Interpupillary Distance	Widefield trinocular 30° [F.N. 20] - light distribution 50:50 fixed, Erect image
Nosepiece	Reversed quintuple
Focus	Coaxial movement; 30mm stroke; Fine focus with 2μm minimum increment
Stage	180 x 140mm surface; 75 x 50mm movement; coaxial movement
Incident light	12V/50W Halogen illuminator with external power supply; Halogen bulb exchangeable with 3W LED (4500K,6000K)
Accessory (optional)	Polarizer, Analyzer, Camera adapter (0.5X, 0.65X, 1X)
Specimen Thickness	Max. 30mm

Objective Specification:

Type	Magnification	N.A.	W.D.(mm)
Plan	5x	0.13	11.5
	10x	0.30	6.8
	20x	0.40	11.1
	50x	0.55	8.2
	100x	0.80	2

Metallurgical Microscope



BA310MET-T

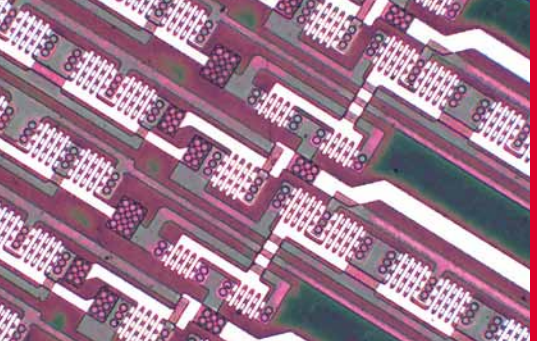


Now industrial quality control can be performed for all opaque materials like minerals and metal samples with ease and efficiency. The BA310MET also performs well in educational environments for engineering and material professions, where affordability and ease-of-use are key demands. The BA310MET-T model has a transmitted light option that allows easy handling and viewing of transparent samples and greatly increases the number of industrial applications.

BA310MET-T	
Optical System	Color Corrected Infinity Optical System [CCIS®]
Eyepieces	N-WF 10X/20mm, with diopter adjustment
Observation Tube	Widefield binocular 30° [F.N. 20]
	Widefield trinocular 30° [F.N. 20] - light distribution 100:0/20:80
Interpupillary Distance	Widefield trinocular 30° [F.N. 20] - light distribution 50:50 fixed, Erect image
Nosepiece	Reversed quintuple
Focus	Coaxial movement; 30mm stroke; Fine focus with 2μm minimum increment
Condenser	N.A. 0.85; focusable and centrable
Stage	240x140mm surface; 75x50mm movement; coaxial movement
	300x180mm surface; 150x100mm movement; coaxial movement
Incident light	12V/50W Halogen illuminator with external power supply; Halogen bulb exchangeable with 3W LED (4500K,6000K)
Transmitted Illumination	Built-in 6V/30W Halogen Koehler illumination; Halogen bulb exchangeable with 3W LED (4500K,6000K)
Accessory (optional)	Polarizer, Analyzer, Camera adapter (0.5X, 0.65X, 1X)
Specimen Thickness	Max. 30mm

Objective Specification:

Type	Magnification	N.A.	W.D.(mm)
Plan	5x	0.13	11.5
	10x	0.30	6.8
	20x	0.40	11.1
	50x	0.55	8.2
	100x	0.80	2



Metallurgical Microscope

BA310MET-H



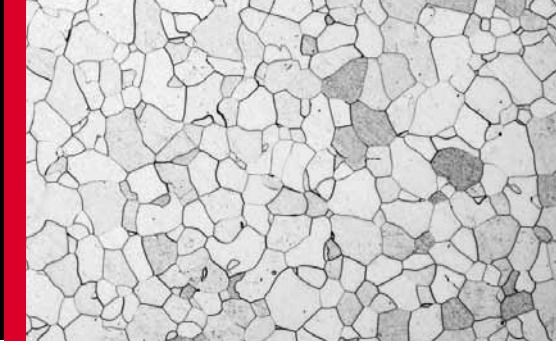
A modular inspection and analysis system for electronic components attachable to user machine or can be used independently. For wider application, polarizing observation is available. Superb image quality and erect images provide easy and quick detection of faults on the observed specimen. The system supports all imaging systems from CCD cameras to digital SLR.

BA310MET-H	
Optical System	Color Corrected Infinity Optical System [CCIS®]
Eyepiece	N-WF 10X/20mm, with diopter adjustment
Observation Tube	Widefield binocular 30° [F.N. 20] Widefield trinocular 30° [F.N. 20] - light distribution 100:0/20:80 Widefield trinocular 30° [F.N. 20] - light distribution 50:50 fixed, Erect image
Interpupillary Distance	55-75mm
Nosepiece	Reversed quintuple
Focus	Coaxial movement; 30mm stroke; Fine focus with 2µm minimum increments
Stage	180x140 mm surface; 100x80 mm movement; coaxial controls (optional)
Stand	Dimension:300 x 300mm
Incident light	12V/50W Halogen illuminator with external power supply; Halogen bulb exchangeable with 3W LED (4500K,6000K)
Specimen Thickness	Max. 120mm

Objective Specification:

Type	Magnification	N.A.	W.D.(mm)
Plan	5x	0.13	11.5
	10x	0.30	6.8
	20x	0.40	11.1
	50x	0.55	8.2
	100x	0.80	2

Metallurgical Microscope



BA210MET

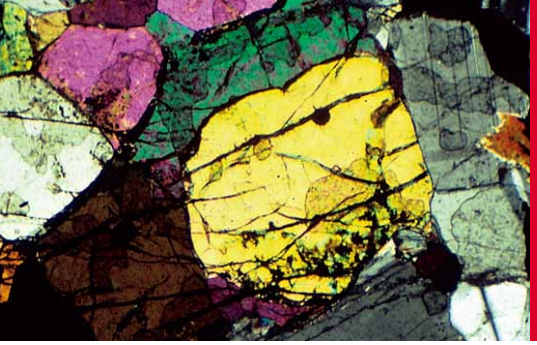


To meet the demands of the Basic Metallurgical Microscope, Motic introduces its entry level model, the BA210MET, for the observation of opaque materials.
Designed with educational purposes in mind and aimed at engineering and material professions.

BA210MET	
Optical System	Color Corrected Infinity Optical System [CCIS®]
Eyepieces	N-WF 10X/20mm, with diopter adjustment
Observation Tube	Widefield binocular 30°[F.N. 20]
	Widefield trinocular 30°[F.N. 20] - light distribution 100:0/20:80
Interpupillary Distance	55 ~ 75mm
Nosepiece	Reversed quadruple
Focus	Coaxial movement; 30mm stroke; Fine focus with 2μm minimum increment
Stage	159 x 135mm surface; 75 x 50mm movement; coaxial movement
Incident light	6V/30W halogen Epi-Illumination
Accessory (optional)	Polarizer, Analyzer, Camera adapter (0.5X, 0.65X, 1X)
Specimen Thickness	Max.30mm

Objective Specification

Type	Magnification	N.A.	W.D.(mm)
M Plan	5x	0.15	14.5
	10x	0.25	16.0
	20x	0.40	10.5
	50x	0.55	5.1



Polarizing Microscope

BA310POL



With acclaimed Motic CCIS Infinity Optics for improved performance and system flexibility, Motic BA310POL microscope offers superb optical performance and flexibility system that can be extended for petrography, mineralogy, industrial and medical applications.

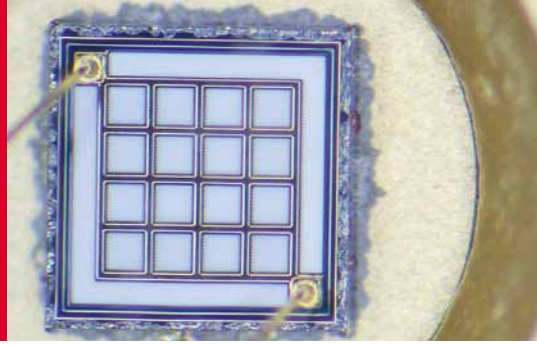
BA310POL

Model	BA310 Polarizing Microscope
Optical System	Color Corrected Infinity Optical System [CCIS®]
Eyepieces	Widefield high eyepoint, N-WF10X/20mm, diopter adjustment rubber eyecup (paired), cross hair on one eyepiece
Observation Tube	Widefield binocular 30°
	Widefield Trinocular 30° - light distribution 100:0/20:80
Eyepieces	Widefield high eyepoint, N-WF10X/20mm, diopter adjustment on both eyepieces, rubber eyecup (paired), cross hair on one eyepiece
Interpupillary Distance	55 - 75mm
Intermediate tube	360° rotatable analyzer with focusable Bertrand lens
Nosepiece	Reversed quadruple revolving nosepiece, 3 centerable position
Stage	360° rotatable stage
Condenser	Achromat swing-out condenser N.A. 0.90/0.13 (strain-free) with iris diaphragm
Polarizer & Analyzer	Rotatable polarizer, fixed on condenser carrier and rotatable dial analyzer
Focus	Coaxial movement; 30mm stroke; Fine focus with 2μm minimum increment
Transmitted light	Koehler illumination quartz halogen 6V/30W with intensity control

Objective Specification

Type	Magnification	N.A.	W.D.(mm)
EC Plan strain free	4x	0.10	15.9
	10x	0.25	17.4
	20x	0.45	0.9
	40x	0.65	0.5
	60x	0.80	0.35

Stereo Microscope



K-Series



K-400L



K-500L



K-700P

Infinity optics, versatile, common main objective [CMO],
this series is ideal for most inspection applications.

		K400L	K500L	K700P
Body	Optical System	Infinity, common main objective [CMO]		
	Convergent Angle	14°		
	Magnification	4 Step Changer [6,12,25,50 ratio]	[6.4, 10, 16, 25, 40 ratio] 5 Step Changer	Zoom range: 5.2:1
	Working Distance	89mm		
	Observation tube inclination	45°		
	Interpupilary distance adjustment	54mm - 76mm		
	Diopter adjustment	±5 diopter		
	Auxiliary objectives	0.3X, 0.5X, 0.625X, 1.5X, 2X		
	Eyepiece	Super Widefield 10X/ 23		
Stand		Illumination stand		Plain stand
	Focusing adjustment	50mm		
	Stage Plate	Black & white plate, Frosted glass plate		Black & white plate
	Light Source	Incident light: 12V/10W Halogen Transmitted light: 12V/10W Halogen		Cold light illumination (optional) Fluorescent ring Illuminator(optional) LED ring Illuminator(optional)



Stereo Microscope

SMZ-171



SMZ-171BLED
(Pole Type)



SMZ-171TLED
(Fixed Arm)



SMZ-171TP
(Fixed Arm)

Greenough stereoscopic optical system and multi-coated lens with relax view observation. Optional ESD feature for head and stand is available. Designed for a wide range of biological and material science applications, especially for industrial quality control.

	SMZ-171BL	SMZ-171TL
Optical system	Greenough	
Observation angle	45°/ 60°	45°
Magnification range (standard)	0.75X--5X	
Zoom ratio	1:6.7	
Eyepiece	N-WF, high eye-point 10X (Ø23), Diopter adjustable	
	N-WF 12.5X (Ø18), 15X (Ø16), 20X (Ø13) optional	
Interpupilary adjustment	48mm-75mm	
Height of eye point	405mm	
Working distance (standard)	110mm	
Weight	6.2 kg (head 1.4kg)	
C-Mount adapter	/	Trinocular head only
	/	0.5X, 0.65X, 1X adapters available
Photo adapter	/	Photo adapter, 2.5X, 4X photo eyepiece available
Auxiliary ESD objectives	0.3X [WD = 301mm], 0.5X [WD = 191.8mm], 0.63X [WD = 142.7mm], 0.75X [WD = 128.6mm], 1.5X [WD = 56.3mm], 2.0X [WD = 38.6mm]	
Max. working distance	301mm	
Stand option	Stable pole stand and arm base stand available 3W LED incident and transmitted light with reflector design Improved design for various boom stands for industrial use ESD stand optional	



SMZ-168



SMZ-168-TL



SMZ-168-BP

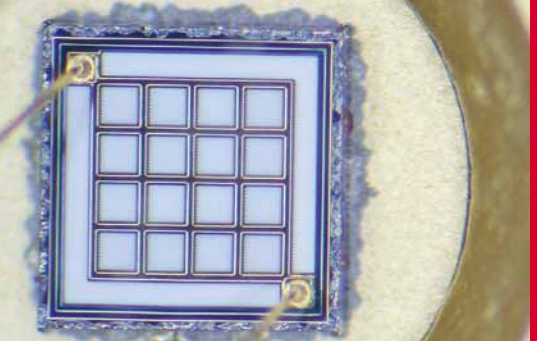


SMZ-168(60°)+boom stands

Zoom ratio of 6.7:1 and excellent optical performance combined with outstanding price-performance ratio. Designed to satisfy the most demanding user applications.

		SMZ-168 B	SMZ-168 (60°) + boom stands	SMZ-168 T
Body	Optical system	Greenough		
	Tube inclination angle	35°	60°	35°
	Magnification range	0.75X – 5X		
	Zoom ratio	1:6.7		
	Eyepiece	High eyepoint, widefield WF10X/23 Widefield WF5X/23, WF6.25X/23, WF15X/17, WF20X/13,WF30X/8, WF32X/8 optional		
	Interpupilary distance adjustment	±5 diopter, 52mm - 75mm		
	Working distance	113mm		
	C-mount adapter	/	/	0.3X, 0.65X available
	Photo adapter	/	/	Photo adapter, 2X photo eyepiece available
	Auxiliary objectives	0.3X [WD =324mm], 0.5X [WD =192mm], 0.63X [WD =156mm] 0.75X [WD =127mm], 1.5X [WD =50mm], 2X [WD = 34.5mm]		

Stand		Plain stand – 168P	Illumination stand – 168L
	Focusing adjustment	50mm	
	Stage Plate	Black & white plate	Black & white plate, Frosted glass plate
	Light Source	Cold light source (optional) / Fluorescent ring illuminator (optional) / LED ring light illuminator (optional)	Transmitted illumination : Halogen 12V/10W Incident illumination : Halogen12V/10W Or both 3W LED incident and transmitted light



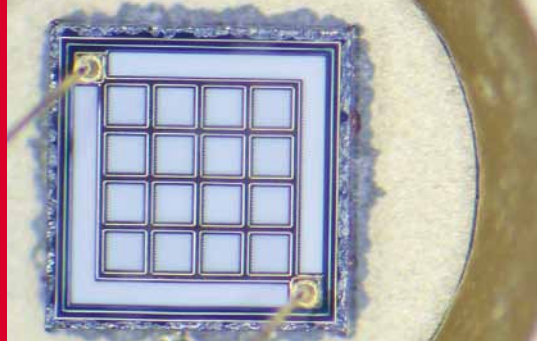
Stereo Microscope

SMZ-161



Greenough stereoscopic optical system, offers the best performance of a zoom ratio of 1:6, with high resolution and a long working distance.

	SMZ-161B	SMZ-161T
Optical system	Greenough	
Observation angle	45°/ 60°	45°
Magnification range (standard)	0.75X - 4.5X	
Zoom ratio	1:6	
Eyepiece	WF10X (Ø20) / eyepiece tube adjustable / WF 10X (Ø23) / optional N-WF 15X (Ø16), 20X (Ø13) optional with RoSH lens	
Interpupilary adjustment	50mm-75mm	
Height of eye point	367mm	
Working distance (standard)	110mm	
C-Mount adapter	/	0.5X, 0.65X, 1X adapters available
Photo adapter	/	Photo adapter, 2.5X, 4X photo eyepiece available
Auxiliary ESD objectives	0.3X [WD = 301mm], 0.5X [WD = 191.8mm], 0.63X [WD = 142.7mm], 0.75X [WD = 128.6mm], 1.5X [WD = 56.3mm], 2.0X [WD = 38.6mm]	
Max. working distance	301mm	
Weight	3.7kg (Head 1.2kg)	
Optional illuminator	Ring LED light / fluorescent ring illuminator / cold light source	
Stand option	• Reflector design provides a more homogeneous illumination at a lower temperature • Compact R2LED stand with 3W LED • Compact R2GG stand with 12V/10W halogen incident and 12V/20W halogen transmitted light • Improved design for various boom stands for industrial use	



Industrial boom stands



Articulating arm boom stand
(with square base and focusing connector)
Vertical pole mounting diameter: Ø32mm
Focusing pole mounting diameter: Ø25mm / Ø32mm
Length of vertical pole: 400mm, 600mm (optional)



Special universal stand
(with round base and focusing connector)
Diameter of base: Ø300mm
Length of vertical pole: 400mm, 600mm (optional)
Horizontal movement: 260mm
Vertical pole mounting diameter: Ø32mm
Focusing pole mounting diamete: Ø25mm / Ø32mm



Ball bearing boom stand
(with square base and focusing connector)
Vertical pole mounting diameter: Ø32mm
Focusing pole mounting diameter: Ø25mm / Ø32mm
Length of vertical pole: 400mm, 600mm (optional)



Special universal stand
(with square base and focusing connector)
Length of base: 300mm
Width of base: 300mm
Horizontal movement: 400mm
Length of vertical pole: 400mm, 600mm (optional)
Vertical pole mounting diameter: Ø32mm
Focusing pole mounting diameter: Ø25mm / Ø32mm



Articulating arm boom stand
(with table clamp type and focusing connector)
Vertical pole mounting diameter: Ø32mm
Focusing pole mounting diameter: Ø25mm / Ø32mm
Maximum thickness of clamping the table: 75mm
Length of vertical pole: 400mm, 600mm (optional)



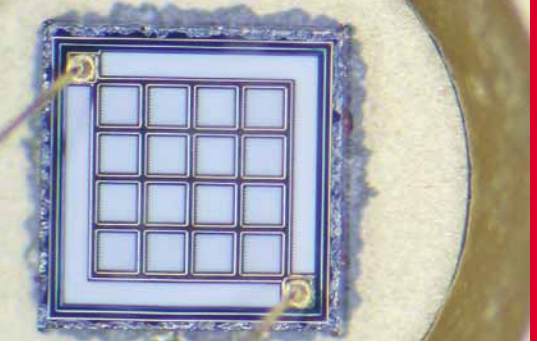
Industrial arm boom stand
(with square base)
Length of base: 300mm
Width of base: 300mm
Horizontal movement: 400mm
Length of vertical pole: 400mm, 600mm (optional)
Vertical pole mounting diameter: Ø32mm
Focusing pole mounting diamete: Ø25mm / Ø32mm
Connects with the industrial arm directly without focusing connector



Ball bearing boom stand
(with table clamp type and focusing connector)
Vertical pole mounting diameter: Ø32mm
Focusing pole mounting diameter: Ø25mm / Ø32mm
Maximum thickness of clamping the table: 75mm
Length of vertical pole: 400mm, 600mm (optional)



Manual movement stand
Area of surface: 450mm x 350mm
X movement: 410mm
Y movement: 220mm
Supporting holder can swing around forward and backward to satisfy the requirements to observe objects from different sides.



Stereo Microscope

Illumination Accessories

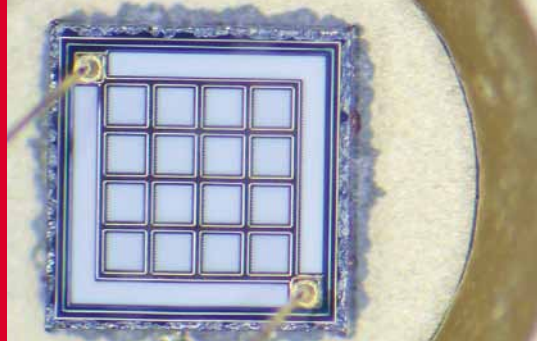


Motic VI-LED / VI-HAL Vertical Illuminator utilizes a groundbreaking optical and illumination system to enable on-axis observation and documentation, specially designed for Motic SMZ-161 and SMZ-171.

True on-axis observation of high-resolution, high-contrast, Shadow-free images capture are possible due to the VI-LED / VI-HAL Vertical Illuminator's elimination of the traditional stereoscope's angular view of the specimen. This is ideal for the observation of particularly smooth, specular surfaces and highly reflective specimens such as integrated circuits, semiconductor wafers, polished metal parts, solder balls, or magnetic recording heads.

The VI-LED / VI-HAL vertical Illuminator will be your perfect stereo microscope illumination solution.

	VI-LED	VI-HAL
Mounting on microscope body	Screw onto the head directly by 3 Knurled screws	
Input Voltage	12V, 2A	12V, 4A
Lamp output power	LED 3W*2	Halogen bulb, 6V/30W
Color Temperature	3,000~3,500 K, 6,000~7,000 K available	3,000~3,200 K
Lamp Life	20,000 hours	100 hours
switching power supply	AV100-240V, 50/60HZ	AV100-240V, 47-63Hz



Illumination Accessories



2401K



MLC-150
Cold light source



LED ring light



Gooseneck 2-Arm
light guide

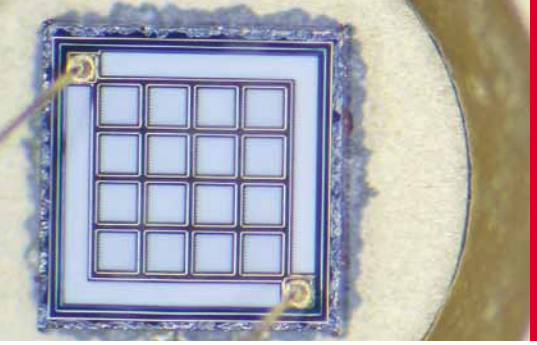


Flexible PVC sheating
light guide

2401K: Economic, sturdy, shadow- free, pure-white fluorescent ring illumination for stereo microscopes
MLC-150: An industrial designed illumination

	2401K	LED ring light
Mounting on microscope body	Clamp with mounting ring [special screw on adapter for SMZ168]; mounting ring causes a decrease in working distance of approximately 10mm, SMZ168 adapter decreases working distance by 5 mm	For SMZ-161/171/ K series. Screw onto the head directly by 3 special screws
Input Voltage	115V, 220V	100 – 240V
Input frequency	50/60HZ	50/60HZ
Lamp output power	12W	4.5W, DC,24V(MAX)
Color Temperature	6400K	9,000~10,000 K
Lux	510Lm	35,000Lux
Lamp Life	500hours	Above 10,000 hours
Weight	252g	250g

		MLC150				
Light Guide	Type	Flexible	Flexible	Ring Light	Bifurcated	1-arm
Fiber	Length	1500mm	2000mm	1000mm	500mm	500mm
	Type	Glass				
	Fiber Bundle Diameter	Ø7mm	Ø5mm	Ø5mm	Ø8mm	Ø5.6mm
Proximal Diameter		Ø15mm				
Distal End Diameter		Ø15mm	Ø7mm	Ø61mm	Ø13mm	Ø9mm
Distal End Type		Std. straight tip	Right angle line	Ring	Std. straight tip	Std. straight tip
Colour Temperature		500K - 3700K, Using blue filter can increase colour temperature above 5600K.				
Lamp Output Power		150W				
Bending Radius		Ø18mm	Ø18mm	Ø225mm	Ø200mm	Ø200mm
Emitter Dimensions		220(H) x 193(W) x 112(D)mm				



Stereo Microscope

SFC-11 / SFC-12



Compact, effective lightweight stereo microscopes
with high-quality optical performance.

	SFC-11 A	SFC-11 B	SFC-11 C	SFC-12 A	SFC-12 B	SFC-12 C
Optical System	Greenough					
Convergent Angle	12°					
Magnification	1X, 2X	1X, 3X	2X, 4X	1X, 2X	1X, 3X	2X, 4X
Eyepieces	Widefield 10x, Field Number [F.N.] = 20mm					
Working Distance	95mm					
Observation angle	45°					
Interpupillary adjustment	54mm-76mm					
Diopter adjustment	Provided on left tube only. Adjustment range : ±5 diopter					
C-mount	/			CCD adapter mountable [0.4x included]		
Optional illuminator	Fluorescent ring light illuminator / Cold light source					
Stand option	> Compact N2GG stand with 12V/15W halogen incident light and 12V/10W halogen transmitted light > Universal power input 110V-220V					

Gemology Microscope



GM-171 / GM-161



GM-171



GM-161

The GM-161 / 171 utilizes the optical performance of Motic's SMZ-171 stereomicroscope to enhance distinct three-dimensional details with a zoom function. Rugged and precise, the optics of the GM-171 performs indentifications, analyses, and measurements more accurately and efficiently, thus reducing your workload. Available in a trinocular version for photographical or digital capture of the gem, the GM-161 / 171 provides you with an opportunity for extra revenue.

		GM-171B	GM-171T	GM-161B	GM-161T
Optical system		Greenough			
Observation angle		45°/ 60°	45°	45°/ 60°	45°
Magnification range (standard)		0.75X--5X		0.75X - 4.5X	
Zoom ratio		1:6.7		1:6	
Eyepiece		N-WF, high eye-point 10X(Ø23), Diopter adjustable N-WF 12.5X(Ø18), 15X(Ø16), 20X(Ø13) optional		WF10X (Ø20) / eyepiece tube adjustable N-WF 10X (Ø23), N-WF 15X (Ø16), 20X (Ø13) optional	
Interpupilary adjustment		48mm-75mm		50mm-75mm	
Working distance (standard)		110mm			
C-Mount adapter		/	0.5X, 0.65X, 1X adapters available	/	0.5X, 0.65X, 1X adapters available
Photo adapter		/	Photo adapter, 2.5X, 4X photo eyepiece available	/	Photo adapter, 2.5X, 4X photo eyepiece available
Auxiliary ESD objectives		1.5X [WD = 56.3mm], 2.0X [WD = 38.6mm]			
Stand option	Incident illumination	7W fluorescent light, colour temperature of 6000K to reduce any yellowing effects on the gem, angle adjustable			
	Transmitted illumination	6V/30W Halogen			
	Focusing adjustment	125mm			
	Stage	Mounting hole for gem holder on both sides. Users can choose the position freely			
	Tilting base	With a tilting range of 0°(upright) to 45°, accessible to users of various heights			

Moticam Pro



The Moticam Pro range consists of 12 feature-rich options providing a large platform for high-quality digital microscopy. A Moticam Pro is a sensitive piece of equipment designed to deliver high-quality CCD based images and yet still be affordable and flexible enough for a large variety of applications. Choose from Colored / Monochrome and Standard / Peltier Cooled options. The Moticam Pro marks an extension of Motic's Camera solutions from the affordable high-resolution CMOS market to the scientific grade CCD range while still offering many choices.

Whether your application calls for a Full Color 5.0MP camera for documentation or a Cooled Monochrome camera with 6.45 x 6.45 micron pixels for low light microscopy, there is a Moticam Pro available for you.

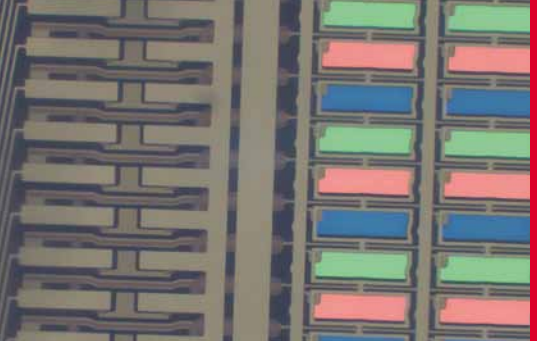
Moticam Pro	Sony Sensor	Sensor Size	Pixel Size (Micron)	Resoulution (Pixel)	Features
252A	ICX252AQ	1/1.8"	3.45 X 3.45	2080 X 1542	Color
252B	ICX252AQ				Color with Peltier cooling
282A	ICX282AQ	2/3"	3.40 X 3.40	2580 X 1944	Color
282B	ICX282AQ				Color with Peltier cooling
205A	ICX205AK	1/2"	4.65 X 4.65	1360 X 1024	Color
205B	ICX205AK				Color with Peltier cooling
205C	ICX205AL				Monochrome
205D	ICX205AL				Monochrome with Peltier cooling
285A	ICX285AQ	2/3"	6.45 X 6.45	1360 X 1024	Color
285B	ICX285AQ				Color with Peltier cooling
285C	ICX285AL				Monochrome
285D	ICX285AL				Monochrome with Peltier cooling

Moticam1SP / 2 / 3 / 5 / 10 / 580



The Moticams are known around the globe for their ease-of-use and their adaptability to a number of applications. Whether for educational, industrial or clinical use,, the Moticam's unique "All-in-One Box" design assures each user that this camera can fit almost any microscope.

	Moticam1SP	Moticam2	Moticam3	Moticam5	Moticam10	Moticam580
Resolution	1.3 Mega pixels	2.0 Mega pixels	3.0 Mega pixels	5.0 Mega pixels	10.0 Mega pixels	5.0 Mega pixels
Sensor Type	CMOS	CMOS	CMOS	CMOS	CMOS	CMOS
Optical Calculation	1/3"	1/3"	1/2"	1/2.5"	1/2.3"	1/2.5"
Focusable Lens	12mm	12mm	16mm	12mm	12mm	12mm
Output Possibilities	USB2.0	USB2.0	USB2.0	USB2.0	USB2.0	HDMI(1080P), SD Card (5.0MP), USB2.0, Analog Video
Software Included	Motic Images Plus for PC and Mac	Motic Images Plus for PC and Mac	Motic Images Plus for PC and Mac	Motic Images Plus for PC and Mac	Motic Images Plus for PC and Mac	Motic Images Plus for PC and Mac
Others	Direct Show, TWAIN and Media Cybernetics Image Pro Plus 7 Driver compatibility	Direct Show, TWAIN and Media Cybernetics Image Pro Plus 7 Driver compatibility	Direct Show, TWAIN and Media Cybernetics Image Pro Plus 7 Driver compatibility	Direct Show, TWAIN and Media Cybernetics Image Pro Plus 7 Driver compatibility	Direct Show, TWAIN and Media Cybernetics Image Pro Plus 7 Driver compatibility	

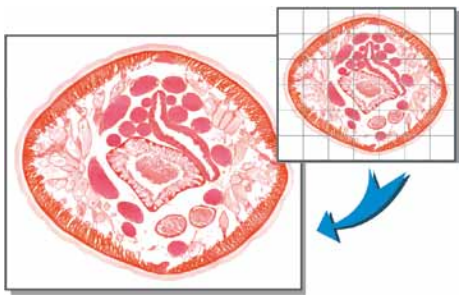


Software

Motic Images Advanced 3.2

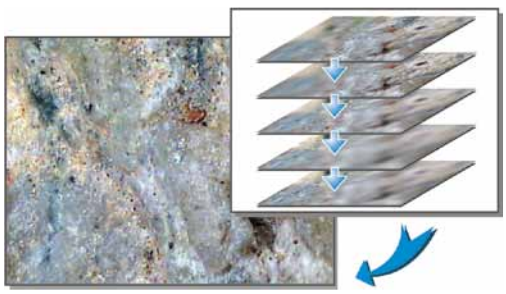
As a step into the more demanding realms of digital microscopy, this software package includes Motic's IMAGES Assembly as well as Multi Focus as standard. This advanced software contains many more professional image analysis tools. Some of the most powerful tools are highlighted below :





Motic Images Assembly

Whe looking at objects with high magnification, the field of view decreases. The feature will allow users to capture images at high field of view as well as high magnification. All overlaps are recognized and individual images are automatically shifted into the right place.



Motic Images Multi Focus

This feature allows the user to capture images at different focal depths. The software will scan each layer and assemble a new image with all maximum value pixels thereby creating a single image where all layers are in focus. The program even automatically adjusts and compensates for any image shift when using stereo microscopy.

Motic Images Plus 2.0 ML

This software provides a complete platefrom for digital microscopy. Packed with the latest and most powerful applications, Motic Images Plus 2.0 ML makes image quantification easy, accurate and efficient.



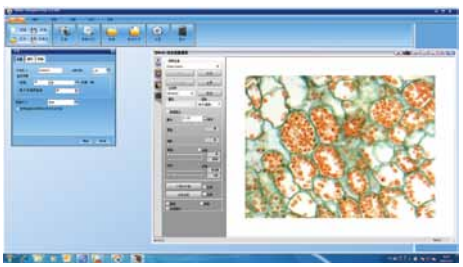
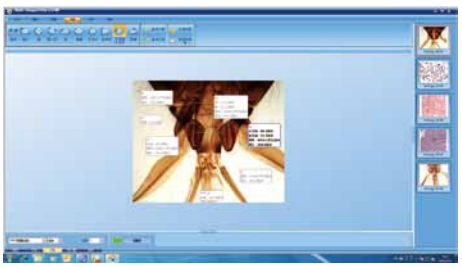
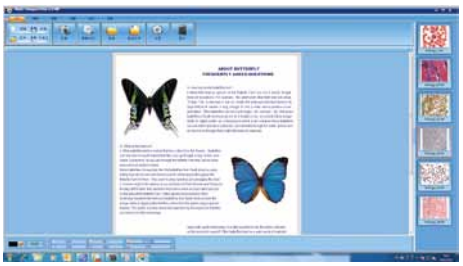
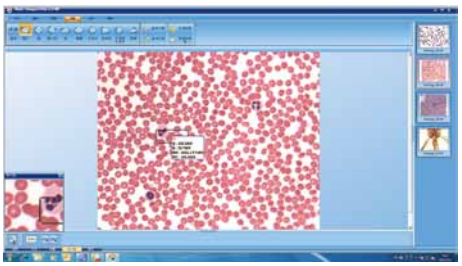


Image Capture


Accurate Measuring


Motic Report


Magnifier


Automated Segmentation

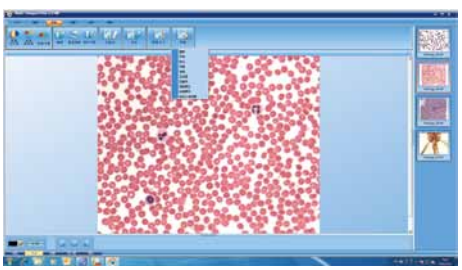


Image Manipulation



Motic®

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