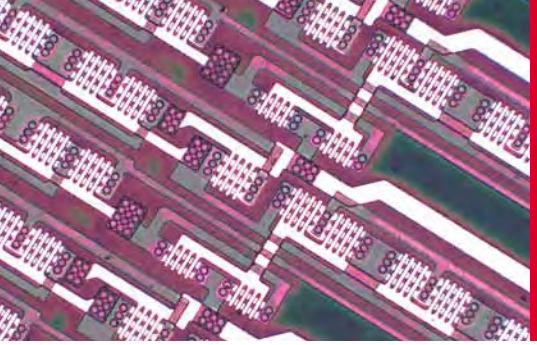


Metallurgical Microscope

BA310MET

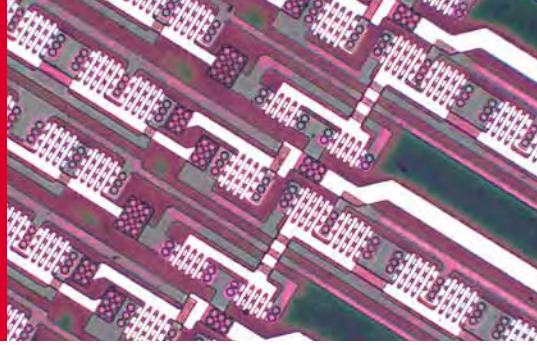
Now industrial quality control can be performed for all opaque materials like minerals and metal samples with ease and efficiency. The BA310MET also performs well in educational environments for engineering and material professions, where affordability and ease-of-use are key demands.

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



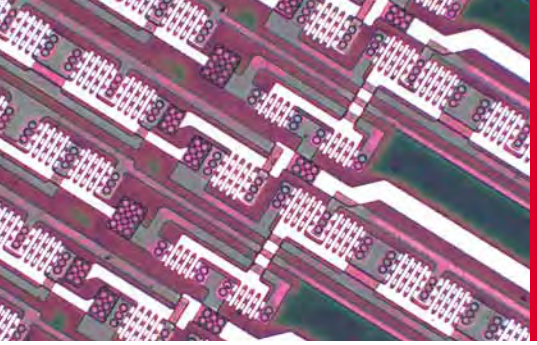
BA310MET-T

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

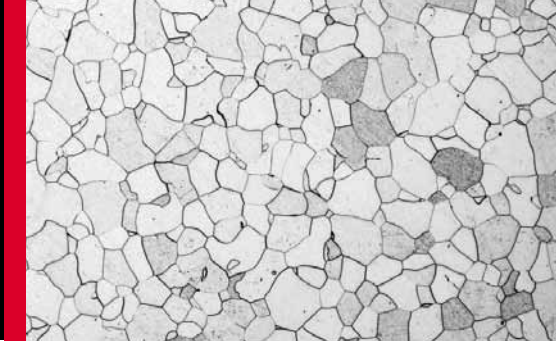
A modular inspection and analysis system for electronic components attachable to user machine or can be used independently. For wider application, polarizing observation is available. Superb image quality and erect images provide easy and quick detection of faults on the observed specimen. The system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