

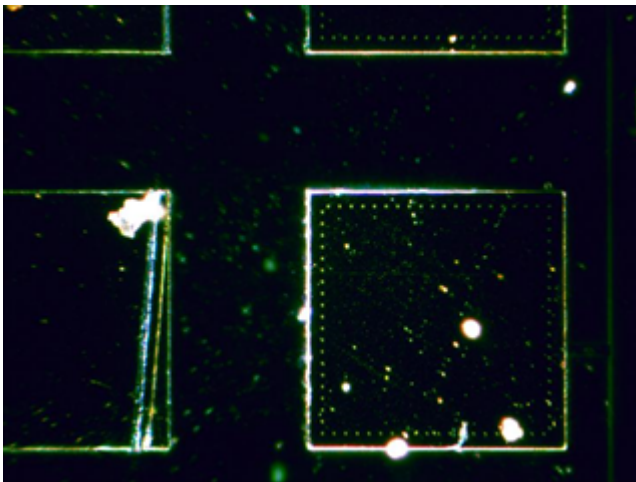
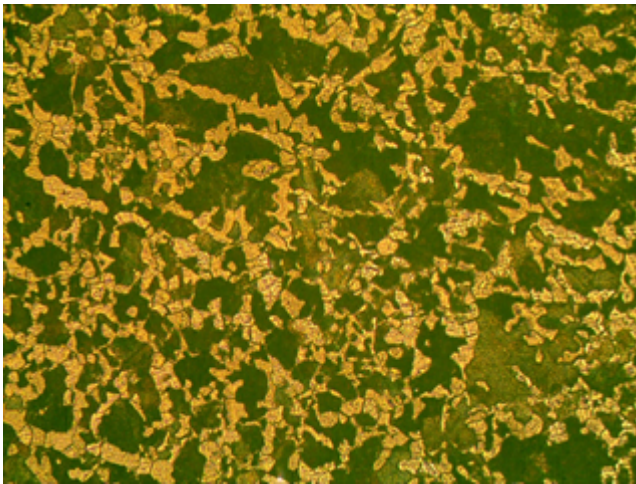
Laboratory Metallurgical Microscope IMM-1344



Laboratory Metallurgical Microscope IMM-1344 is a part of the range of laboratory microscope and stands out through its design which is ergonomic, vigorous and constant and stable. This laboratory microscope is used to view samples that will fit on the microscope stage. This range, with its large working distance with infinite plan achromatic: 5X/0.12/ ∞ -(BF&DF)-10 mm, 10X/0.25/ ∞ -(BF&DF)-10 mm objective. Adjustable 12V/50W reflected and transmitted halogen lamp to ensure the optimum illumination of the materials to be tested.

The illuminating system consists of a high-intensity light source, Abbe N.A. 1.25 condenser lenses with Iris Diaphragm. The binocular viewing head with wild field WF10X22 mm, WF10X22 mm eyepieces fitted with 48-75mm interpupillary distance as standard. Green, Gray and ground glass filter are often used to recover detail and polarizing filters, to produce surface glare and to recover grain boundary definition. Features with backward quintuple revolving nosepiece holds multiple lenses, and found between the eyepiece and the stage allowing the user to turn it to achieve various levels of magnification. Though the exact level of magnification may vary with different models, most microscopes provide a low power lens with about 5X magnification and a high power lens with about 100X magnification. Featured with chromatic condenser Abbe N.A. 1.25 with Iris Diaphragm that are concentrates and controls the light that passes through the specimen prior to entering the objective with modern cameras use a type of adjustable diaphragm known as an iris diaphragm which can reduce the amount light that hits a detector by decreasing the aperture and Filter.

Sample Images



Accessories



DIC Attachment

Technical Specification:

Model	IMM-1344
Type	Laboratory Metallurgical Microscope
Viewing Head	Binocular viewing head, inclined at 30°, interpupillary distance 48-75mm
Optical System	Infinite
Focusing	Coaxial coarse & fine adjustment, fine division 2µm, moving range 30mm
Eyepiece	WF10X22mm, WF10X22mm
Nosepiece	Backward quintuple
Objective	Infinite Plan Achromatic: 5X, 10X, 20X, 50X, 100X
Stage	Double layer mechanical stage 188×148mm, Moving range 78×54mm
Light Source	12V/50W Halogen lamp Reflected illumination
Filter	Green, Gray and ground glass filter
Optional Accessories	Specimen Presser, Photo Adapter(DSLR camera), 0.5× Video adapter with C-mount, Stage Micrometer 0.01mm
Polarising Unit	Yes
Analysing Unit	Yes
Catalogue No.	440260-05-04

Technical Data:

Model	IMM-1344	IMM-1388
Type	Laboratory Metallurgical Microscope	
Viewing Head	Binocular viewing head, inclined at 30°, interpupillary distance 48-75mm(optional: trinocular viewing head, inclined at 30°, interpupillary distance 48-75mm)	
Optical System	Infinite	
Focusing	Coaxial coarse & fine adjustment, fine division 2µm, moving range 30mm	
Eyepiece	WF10X22mm, WF10X22mm (optional:EW15X16mm, EW20X12mm)	
Nosepiece	Backward quintuple	
Objective	Infinite Plan Achromatic: 5X/0.12/?/- (BF&DF)-10mm 10X/0.25/?/- (BF&DF)-10mm, 20X/0.40/?/0 (BF&DF)-5.0mm 50X/0.75/?/0 (BF&DF)-1.3mm, 100X/0.90(Dry)/?/0 (BF&DF)-0.7mm	Infinite Plan Achromatic: 5X/0.12/?/- (BF&DF)-10mm 10X/0.25/?/- (BF&DF)-10mm, 20X/0.40/?/0 (BF&DF)-5.0mm, 50X/0.75/?/0 (BF&DF)-1.3mm, 100X/0.90(Dry)/?/0 (BF&DF)-0.7mm, 40X/0.65/?/0.17 (BF)-0.6mm, 100X/1.25/?/0.17 (BF)-0.16mm
Stage	Double layer mechanical stage 188×148mm, Moving range 78×54mm	Double layer mechanical stage 216×150mm, Moving range 78×54mm
Light Source	12V/50W Halogen lamp Reflected illumination	12V/50W Halogen lamp Reflected and 6V/20W Halogen lamp transmitted illumination
Polarizing Unit	Yes	
Analyzing Unit		
Filter	Green, Gray and ground glass filter	
Certification		
Optional Accessories	Specimen Presser, Photo Adapter(Used to connect DSLR camera to the microscope), 0.5× Video adapter with C-mount ,Stage Micrometer 0.01mm	
Packing Dimension		
Packing Weight		
Electrical Requirement		
Catalogue No.	440260-05-04	440260-10-04



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