Inverted Metallurgical Microscope IMM-2544



Inverted Metallurgical Microscope IMM-2544 is a part of the range of inverted microscope and stands out through its design which is ergonomic, vigorous and constant and stable. This inverted microscope is used to view large sample to observe as the objective lenses are located below the stage and allow for placing heavy mechanical parts directly on the stage above the objectives. This range, with its large working distance with infinite LWD plan achromatic: 5X/0.12/∞/0 (BF/DF)-10.0 mm, 10X/0.25/∞/0 (BF/DF)-10.0 mm, 20X/0.40/∞/0 (BF/DF)-5.0 mm, 50X/0.75/∞/0 (BF/DF)-1.3 mm, 100X/0.90/∞/0 (BF/DF)-0.7 mm objective. Adjustable 12V/50W reflected LED lamp, Kohler illumination to ensure the optimum illumination of the materials to be tested. The illuminating system consists of a high-intensity light source. The trinocular viewing head with wild field WF10X22mm, WF10X20 mm eyepieces fitted with 48-75 mm interpupilary distance as standard. Blue, Green, Yellow and Ground 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

Technical Specification:

Model	IMM-2544
Type	Inverted Metallurgical Microscope
Viewing Head	Trinocular head, inclined at 30°, interpupillary distance 48-75mm
Optical System	Infinite
Focusing	Coaxial coarse & fine adjustment, fine division 2μm, move up 1mm, down 7mm
Eyepiece	WF10X22mm, WF10X20 mm Eyepiece with scale of cross hair
Nosepiece	Backward quintuple
Objective	Infinite LWD Plan Achromatic: 5X/0.12/∞/0 (BF/DF)-10.0mm, 10X/0.25/∞/0 (BF/DF)-10.0mm, 20X/0.40/∞/0 (BF/DF)-5.0mm, 50X/0.75/∞/0 (BF/DF)-1.3mm, 100X/0.90/∞/0 (BF/DF)-0.7mm
Stage	Double layer mechanical stage 226×178mm, Moving range 40×40mm and Small stage plate, 20mm, 30mm, water drop type
Light Source	12V/50W Halogen Reflected Kohler
Filter	Green, Blue, Yellow, Gray and Ground glass filters
Optional Accessories	Video Adapter and Micrometer scale 0.01mm(optional: Photo Adapter)
Catalogue No.	440285-05-04

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Type	Inverted Metallurgical Microscope
Viewing Head	Trinocular head, inclined at 30°, interpupillary distance 48-75mm
Optical System	Infinite
Focusing	Coaxial coarse & fine adjustment, fine division 2?m, move up 1mm, down 7mm
Eyepiece	WF10X22mm, WF10X20 mm Eyepiece with scale of cross hair (optional: WF15X16 mm, WF20X12mm)
Nosepiece	Backward quintuple
Objective	Infinite LWD Plan Achromatic: 5X/0.12/?/0 (BF/DF)-10.0mm, 10X/0.25/?/0 (BF/DF)-10.0mm, 20X/0.40/?/0 (BF/DF)-5.0mm, 50X/0.75/?/0 (BF/DF)-1.3mm, 100X/0.90/?/0 (BF/DF)-0.7mm
Stage	Double layer mechanical stage 226×178mm, Moving range 40×40mm and Small stage plate, 20mm, 30mm, water drop type
Light Source	12V/50W Halogen Reflected Kohler
Polarizing Unit	Yes
Analyzing Unit	
Filter	Green, Blue, Yellow, Gray and Ground glass filters
Certification	
Optional Accessories	Video Adapter and Micrometer scale 0.01mm(optional: Photo Adapter)
Packing Dimension	
Packing Weight	
Electrical Requirement	
Catalogue No.	440285-05-04



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