INVERTED METALLURGICAL MICROSCOPE IMM-2200 SERIES

Inverted Metallurgical Microscope IMM-2200 Series 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 achromatic: 10X/0.25-6.3 mm, plan achromatic: 40X/0.65-0.7 mm, achromatic: 100X/1.25(oil)-0.1 mm objective. Adjustable 12V/ 20W Halogen 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 monocular, binocular, and trinocular viewing head with wild field WF10X18 mm, WF12.5X14 mm eyepieces fitted with 48-75mm 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 triple 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

Features

- Achromatic objective to correct for color and has a flat field across the central 65% of the image and usually comes with a pair of lenses
- Plan Achromatic also known planar objective corrects better for color and spherical aberration than either the semi-plan or the achromatic objective. Plan objectives have a flat field about the center 95% of the image with larger working distances
- Coaxial coarse & fine adjustment, fine division 2μm, moving range 30mm
- Offer stages that are designed to move small sample slides or entire microscopes including Mechanical stage to facilitates sample observations of length 180×155mm, Moving range 40×30mm
- Wild field WF10X18mm, WF12.5X14mm eyepieces
- 12/20W Halogen lamp reflected and transmitted light source
- Different filters Blue, Green, Yellow and Ground filter
- Monocular, binocular 30° inclined and a 360° rotatable head with interpupilary distance 48 to 75 mm and trinocular 30° inclined and a 360° rotatable head with interpupilary distance 48 to 75 mm
- Small foot print and light weight
- Easy operating with ergonomic design
- Excellent image quality with finite optical system

Technical Specifications

Model	IMM-2244	IMM-2288	IMM-2298
Type	Inverted Metallurgical Microscope		
Viewing Head	Monocular viewing head	Sliding binocular viewing head	Trinocular viewing head
Optical System	Finite		
Focusing	Coaxial coarse and fine adjustment, Fine division 0.002mm, Focusing range 30mm		
Eyepiece	WF10X18mm, WF12.5X14mm (optional:WF16×/11mm)		
Nosepiece	Triple		
Objective	Achromatic: 10×/0.25,6.3mm, Plan achromatic: 40×/0.65,0.7mm, Achromatic: 100×/1.25(oil),0.1mm(Optional: LWD Plan achromatic: 50×/0.752 mm)		
Stage	Mechanical stage 180×155mm, Moving range 40×30mm, Stage Clips		
Light Source	12V/20W Halogen lamp,Kohler illumination		
Filter	Blue, Green, Yellow and Ground filter		
Certification			
Packing Dimension			
Packing Weight			
Electrical Requirement			
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