

INVERTED METALLURGICAL MICROSCOPE IMM-2400 SERIES



Inverted Metallurgical Microscope IMM-2400 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 Metallurgical LWD Infinite Plan: LPL 5X/0.13-16.04 mm, LPL 10X/0.25-18.48 mm, LPL 20X/0.40-8.35 mm, LPL 50X/0.70, 1.95 mm objective. Adjustable 5W 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 wide field WF10X22 mm, WF10X22 mm eyepieces fitted with 48-76 mm interpupillary distance as standard. Blue with optional Green, Yellow and Grey filters are often used to recover detail and polarizing filters, to produce surface glare and to recover grain boundary definition. Features with quadruple and 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 NA 1.2 with Iris Diaphragm and Pinion adjustment for condenser that 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

- ◆ Metallurgical LWD Infinite Plan, and Metallurgical LWD Infinite Plan Objectives for Bright and Dark Field objective
- ◆ Low position coaxial coarse and fine adjustment. With tightness adjustment. Coarse stroke per rotation 10mm, fine stroke/ rotation 0.2mm; fine division 2 μ m
- ◆ Offer stages that are designed to move small sample slides or entire microscopes including Three-layers mechanical stage to facilitates sample observations of length 210 \times 180 mm, right hand low position control, Moving range 50 \times 50mm, scale 0.1 mm
- ◆ Wide field adjustable WF10 \times 22mm, WF10 \times 22mm eyepieces
- ◆ 5W LED reflected light source
- ◆ Different filters Blue filter with optional: Green/ Amber/ Grey filters
- ◆ Trinocular 30° inclined and a 360° rotatable head with interpupillary distance 48 to 75 mm
- ◆ Small foot print and light weight
- ◆ Easy operating with ergonomic design
- ◆ Excellent image quality with infinite optical system
- ◆ Optional accessories Video Adapter and Polarizing kit



Wide view field eyepiece, view field up to 22mm for comfortable observation



Metallurgical LWD Infinite Plan Objectives



Metallurgical LWD Infinite Plan Objectives for Bright & Dark Field

Technical Specifications

Model	IMM-2444	IMM-2488
Type	Inverted Metallurgical Microscope	
Viewing Head	Trinocular viewing head, 30° inclined, Interpupillary distance: 48-76mm	
Optical System	Infinite	
Focusing	Low position coaxial coarse and fine adjustment. With tightness adjustment. Coarse stroke per rotation 10mm, fine stroke/rotation 0.2mm; fine division 2μm	
Eyepiece	adjustable WF10x22mm, WF10x22mm	
Nosepiece	Quintuple	Quadruple
Objective	Metallurgical LWD Infinite Plan: LPL 5X/0.13-16.04mm, LPL 10X/0.25-18.48mm, LPL 20X/0.40-8.35mm, LPL 50X/0.70, 1.95mm	Metallurgical LWD Infinite Plan Objectives for Bright and Dark Field: M Plan 5X/0.13 BD-16.04mm, M Plan 10X/0.25 BD-18.48mm, M Plan 20X/0.40 BD-8.35mm, M Plan 50X/0.70 BD-1.95mm (optional: Metallurgical LWD Infinite Plan: LPL 5X/0.13-16.04mm, LPL 10X/0.25-18.48mm, LPL 20X/0.40-8.35mm, LPL 50X/0.70, 1.95mm)
Stage	Three-layers mechanical stage, size 210mm×180mm, right hand low position control, Moving range 50mm×50mm, scale 0.1mm	
Light Source	5W LED Reflected Koehler illumination (optional: 6V/30W halogen Reflected Koehler)	
Polarizing Unit	Yes	
Analyzing Unit		
Filter	Blue filter (optional: Green/ Amber/ Grey)	
Certification		
Optional Accessories	Video Adapter and Filter	
Packing Dimension	660×590×325 mm	
Packing Weight	GW-17 kg NW-12.5 kg	
Electrical Requirement		
Catalogue No.	440280-05-04	440280-10-04

