IRIS ANALYTICAL



MICROSCOPES

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Inverted Metallurgical Microscope IMM-2000 Series 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 series comprises an finite optical system and an illumination system.

Inverted Metallurgical Microscope IMM-2100 Series

Inverted Metallurgical Microscope IMM-2100 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 infinite plan achromatic: 4X/ 0.1/∞/- 17.3 mm, 10X/0.25/∞/- 10.0 mm, 20X/0.40/∞/0-5.8 mm, 40X/0.65/∞/0-0.52 mm objective. Adjustable 6V/ 30W 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, Abbe N.A. 1.25 condenser lenses with Iris Diaphragm. The trinocular viewing head with extra wild field EW10X20 mm eyepieces fitted with 48-75mm interpupillary distance as standard. Blue, Yellow, Green and Frosted filters are often used to recover detail and polarizing filters, to produce surface glare and to recover grain boundary definition.



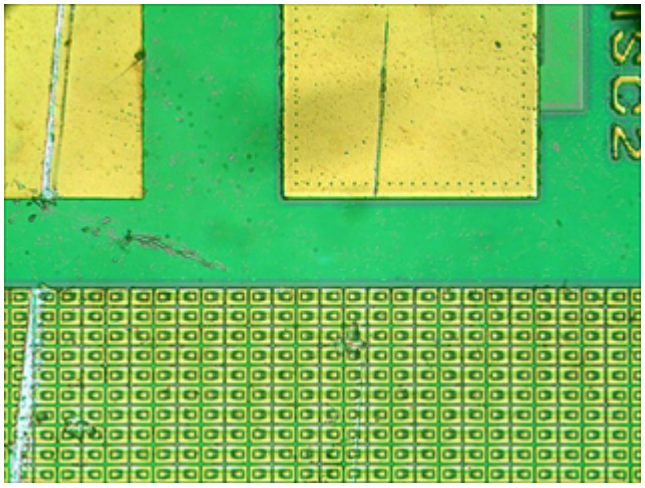
- Long Working Distance, Infinite Plan objective
- Coaxial coarse & fine adjustment, fine division 2µm, moving range 30mm
- Offer stages that are designed to move small sample slides or entire microscopes including Mechanical Stage to facilitates sample observations of length 200x150mm, Travel range: 77x52mm
- Extra wild field Adjustable EW10X20mm eyepieces
- 6V/30W Halogen lamp reflected and transmitted light source
- Different filters Blue, Yellow, Green and Frosted filters
- 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 Infinite optical system
- Optional accessories Specimen Presser For metallurgical specimen preparation, Photo and Video Adapter

Accessories



X-Y stage

Sample Image





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.



- 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 30 mm
- Offer stages that are designed to move small sample slides or entire microscopes including Mechanical stage to facilitates sample observations of length 180×155 mm, Moving range 40×30 mm
- Wild field WF10X18 mm, WF12.5X14 mm 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 interpupillary distance 48 to 75 mm and 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 finite optical system

Inverted Metallurgical Microscope IMM-2300 Series



Inverted Metallurgical Microscope IMM-2300 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 LWD plan achromatic metallurgical: 5X/0.13-15.5 mm, LWD plan achromatic metallurgical: 10X/0.2-8.7 mm, LWD plan achromatic metallurgical: 20X/0.40-8.8 mm, LWD plan achromatic metallurgic: 50X/0.60-5.1 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 high point wild field PL10X18mm eyepieces fitted with 54-75 mm interpupilary distance as standard. Blue filter is often used to recover detail and polarizing filters, to produce surface glare and to recover grain boundary definition.

- LWD plan achromatic metallurgical objective
- Coaxial coarse & fine adjustment, fine division 2µm, moving range 30mm
- Offer stages that are designed to move small sample slides or entire microscopes including Three-layers mechanical stage to facilitates sample observations of length 180x155mm, right hand low position control, Moving range:75x 40mm; Metal stage plate, center hole:12 mm
- High point wild field PL10X18mm eyepieces
- 5W LED reflected light source
- Different filters Blue filter
- Trinocular 45° inclined and a 360° rotatable head with interpupilary distance 54 to 75 mm
- Small foot print and light weight
- Easy operating with ergonomic design
- Excellent image quality with finite optical system
- Optional accessories Video Adapter and Polarizing kit

Accessories



Low position high precision coaxial focusing system, left and right side can be adjusted.



Large size mechanical stage provides a more efficient working environment for the user, right hand operate



Reflected Koehler illumination system with iris diaphragm and centerable field diaphragm

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 wild field WF10X22 mm, WF10X22 mm eyepieces fitted with 48-76 mm interpupilary 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.

- 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 2µm
- Offer stages that are designed to move small sample slides or entire microscopes including Three-layers mechanical stage to facilitates sample observations of length 210×180 mm, right hand low position control, Moving range 50× 50mm, scale 0.1 mm
- W ild field adjustable WF10x22mm, WF10x22mm 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 interpupilary 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

ACCESSORIES





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

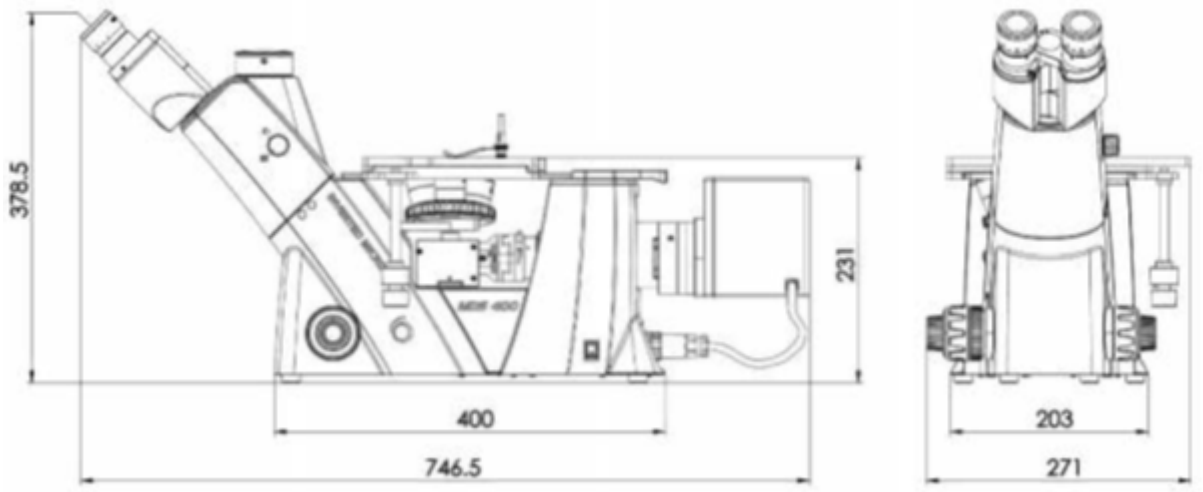


Metallurgical LWD Infinite Plan Objectives



Metallurgical LWD Infinite Plan Objectives for Bright & Dark Field

Unit Dimension(mm)



Inverted Metallurgical Microscope IMM-2500 Series



Inverted Metallurgical Microscope IMM-2500 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 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.

- Infinite LWD Plan Achromatic objective
- Coaxial coarse & fine adjustment, fine division 2µm, move up 1mm, down 7mm
- Offer stages that are designed to move small sample slides or entire microscopes including Double layer mechanical stage to facilitates sample observations of length 226×178mm, Moving range 40×40mm and Small stage plate, 20mm, 30mm, water drop type
- Wild field WF10X22mm, WF10X20 mm Eyepiece with scale of cross hair eyepieces
- 12V/50W Halogen reflected light source
- Different filters Blue filter with optional: Green/ Amber/ Grey filters
- 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 infinite optical system
- Optional accessories Video Adapter and Micrometer scale 0.01mm(optional: Photo Adapter)



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