



XD20M



XD30M

XD Series Inverted Metallurgical Microscope Technology Specification

Optical system	Color corrected infinity optical system (CSIS)
Viewing head	Infinity gemel binocular/ trinocular head, 45° inclined, inter-pupillary range:54mm to 75mm, Light split rate: binocular 100%, binocular / trinocular 80%/20%
Eyepiece	High eye point wide field plan eyepiece PL10X/22mm Optional: High eye point wide field eyepiece PL15X16mm
Nosepiece	Quintuple nosepiece
Objective	Long working distance infinity plan achromatic metallurgical objective 5X, 10X, 20X, 50X(Semi-apochromatic), 100X(Semi-apochromatic)
Focus	Low position coaxial focus system with tension adjustable,coarse:38mm per rotation, fine precision 0.002mm(2μ)
Stage:	Fixed stage, Size:175mmX145mm, can mount specimen fixture, extension plate and the coaxial mechanical mobile ruler
Illuminator	Reflection Koehler illumination with alterable aperture diaphragm and centerable field diaphragm , wide-range voltage 90-240V . 12V/50W halogen bulb, with continuous intensity
Polarizer device	360° rotary analyser , the polarizer and polarizer both can shift out the optical way
Video & photo accessories	C-mount adapter (1/2, 1/3) and Relay mirror
Other	Metal stage plate, Slides holder (φ 54 and 26.5X76.5), Terasaki holder (φ 64mm and 56X81.5) , Mechanical mobile ruler 120*78, Stage extension plate

Characteristics

- Optical system: Color corrected infinity optical system (CSIS), High image quality, high resolution and comfortably viewing
- Eyepiece and Objective: High eye point wide field plan eyepiece PL10X/22mm. view field number 22mm. provide wide and flat viewing space, and can mount many kinds of micrometer; Long working distance infinity plan achromatic metallurgical objective, don't need coverslips
- Viewing head: Infinity gemel type binocular / trinocular head. 45° inclined,
- Focus system: Low position coaxial focus system with tension adjustable, coarse: 38mm per rotation, fine precision 0.002mm(2μ)
- Illuminator system: Reflection Koehler illuminator with alterable aperture diaphragm and centerable field diaphragm, wide-range voltage 90-240V, 12V/50W halogen bulb, with continuous intensity
- Stage: Can mount low position coaxial mechanical mobile ruler and stage extension plate, Expand the working space to meet the different requirement of customers

Objective parameter table

Magnification	N.A.	Working distance(mm)	Coverslip thickness(mm)	Conjugate distance(mm)
5X	0.14	20.5	0	∞
10X	0.25	16	0	∞
20X	0.40	7.8	0	∞
50X	0.55	7.9	0	∞
100X	0.80	2.1	0	∞

Eyepiece parameter table

EYEPIECE	PL10X/22	PL10X/22R	PL10X/22T	PL15X/16
Field of view	22mm	22mm	22mm	16mm
Remarks	Standard	Optional	Optional	Optional

XD Series Inverted Metallurgical Microscopes Configuration Chart

