

5. BS-6004 Inverted Metallurgical Microscope



Introduction

BS-6004 inverted metallurgical microscope adopts professional metallurgical objective and plan eyepiece to provide superior image, high resolution and comfortable observation. It is widely used in teaching and research of metallographic analysis, semiconductor silicon wafer inspection, geology mineral analysis, precision engineering and similar fields.

Feature

1. Low position high precision coaxial focusing system, left and right side can be adjusted. Easy to get a clear and comfortable image. Coarse stroke 38mm, fine focus accuracy 0.002mm.



2. Large size mechanical stage provides a more efficient working environment for the user, right hand operate. Size 180 × 155mm, moving range: 75 × 40mm.



3. Reflected Koehler illumination system with iris diaphragm and centerable field diaphragm, wide range voltage 90-240V, 6V/30W high brightness halogen bulb and long working life LED bulb(optional).



Specification

Item	Specification	BS-6004
Optical System	Finite optical system	●
Viewing Head	Trinocular viewing head, 45° inclined, Diopter adjustment ±5 for each side, Interpupillary distance: 54-75mm, light distribution: binocular: trinocular =80%:20%	●
Eyepiece	High eyepoint wide field plan eyepiece PL10×/18mm	●
	High eyepoint wide field eyepiece WF15X/13mm	○
	High eyepoint wide field eyepiece WF20×/10mm	○
Metallurgical Objective	LWD plan achromatic metallurgical objective 5×/0.13, WD=15.5mm	●
	LWD plan achromatic metallurgical objective 10×/0.25, WD=8.7mm	●
	LWD plan achromatic metallurgical objective 20×/0.40, WD=8.8mm	●
	LWD plan achromatic metallurgical objective 50×/0.60, WD=5.1mm	●
	LWD plan achromatic metallurgical objective 100×/0.8, WD=2.0mm	○
Nosepiece	Backward quadruple nosepiece	●
	Backward quintuple nosepiece	○
Focusing	Low position coaxial coarse and fine adjustment. With tightness adjustment. Coarse stroke per rotation 38mm; fine focus accuracy: 2µm.	●
Stage	Three-layers mechanical stage, size 180mm×155mm, right hand low position control, Moving range:75mm× 40mm; Metal stage plate, center hole dia.φ12mm	●
Illumination	Reflected Koehler illumination with iris diaphragm and centerable field diaphragm, wide-range voltage 90-240V, 5W LED bulb, with continuous intensity adjustment.	●
	Reflected Koehler illumination with iris diaphragm and centerable field diaphragm, wide-range voltage 90-240V, 6V/30W halogen bulb, with continuous intensity adjustment.	○
Polarizing kit	Polarizer and the analyzer can be removed from the optical path, the analyzer can be rotated 360°.	○
Video Adapter	1× C-mount adapter, focus adjustable	○
	0.5× C-mount adapter, focus adjustable	●
Filter	Blue filter (φ 32mm)	●

Note: ● Standard Outfit, ○ Optional