

STALWART

Inverted Metallurgical Microscope STM-6004



STM-6004

Introduction

STM-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

Features

- 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.



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



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