

HST 201-A

Trinocular Inverted Metallurgical Microscope With Polarizing



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- OBSERVATION TUBE

Hinged trinocular, adjustable diopter, 45° inclination, can be used for photography, capture and save observation images, configure computer and professional metallographic analysis software to realize image analysis.

- FOCUSING MECHANISM

Low-hand position coarse and fine adjustment coaxial focusing mechanism, with elastic adjustment device and fast focus random limit device, coarse adjustment stroke per revolution: 38mm, fine adjustment accuracy: 0.002mm

- STAGE

The coaxial low-hand position adjustment moving ruler and the stage extension board can be installed to expand the application space and meet the needs of customers with different requirements.

◆ INTRODUCTION

HST 201-A metallographic microscope is a trinocular inverted metallographic microscope, which can provide superior image quality and a stable and reliable mechanical structure. The machine is easy to operate, complete with accessories, and is widely used in metallographic analysis of teaching and research and material testing in factory laboratories.

◆ MAIN SPECIFICATIONS

Unit	Specification
Optical system	Infinite distance chromatic aberration correction optical system
observation tube	Hinged triocular head, 45° tilt, pupil distance adjustment range: 54-75mm, unilateral visibility adjustment ±5 diopter ratio: binocular 100%, binocular: triocular =80%:20%
Eyepiece	High eye point, extra-wide field eyepiece PL10X/22mm
An achromatic objective with an infinitely long anomaly field	LMPL5X / 0.15WD10.8mm
	LMPL10X/ 0.3WD12.2mm
	LMPL20X/ 0.45WD4mm
	LMPL50X/ 0.55WD7.9mm
Converter	Internal positioning five-hole converter
Microscope body	Coarse fine adjustment coaxial, coarse adjustment per turn stroke: 38mm, fine adjustment per turn stroke: 0.2mm, focusing accuracy: 0.002mm, with elastic adjustment device
	Fixed platform: Size 160X250mm
Work stage	Metal stage (center hole Φ12mm)
	Mechanical moving ruler, travel 120 (X) *78 (Y) mm, stage extension plate
Reflective lighting system	Reflection type Cora illuminator, with variable aperture light bar and center adjustable field of view light bar, adaptive 100V~240V wide voltage, 12V50W imported halogen lamp, center adjustable, continuous brightness adjustable
Polarizing accessories	The polarizing mirror can be rotated 360 degrees, and the polarizing mirror and the polarizing mirror can be moved out of the light path
Color filter	Green filter, Blue filter (Φ32mm)
Optional	
Eyepiece	High eye point, ultra-wide field of view flat field eyepiece PL15X/16mm
	High eye point, extra-wide field eyepiece PL10X/22mm with cross differentiation scale
Metallographic analysis system	FMIA2023 genuine metallurgical analysis software, USB2.0 SONY chip 12 million camera device, 0.5X adaptive mirror interface, micrometer.
Objective lens	Infinite long anomaly field achromatic objective LMPL100X/ 0.80WD2.1mm
Camera unit	USB3.0 SONY chip 12 million camera device, USB3.0 SONY chip 20 million camera device, 1X adaptive mirror interface.
Computer	HP business