

HST401

Metallographic Microscope



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- MECHANICAL MOBILE PLATFORM

Composite double-layer mechanical moving platform, low hand position coaxial adjustment, and the mechanical platform is equipped with 180mm*145mm flat platform, easy to place larger size samples.



- LIGHTING SYSTEM

Fall-type Cora lighting, and the design of anti-reflection structure, effectively prevent the interference of reflected light, so that the imaging clearer, better field of view contrast.



◆ INTRODUCTION

The HST401 metallographic microscope is a three-lens upright metallographic microscope, which provides superior image quality and stable operating system, easy operation and complete accessories. Widely used in teaching and research, metallographic analysis, industrial testing and other fields.

◆ MAIN SPECIFICATIONS

Item	Specification
Optical system	Optical system for correcting finite distance chromatic aberration
Observation tube	30° tilt, hinged triocular observation cylinder, 360° rotation, pupil distance adjustment range: 50-75mm, bilateral visibility adjustment: ±5 diopter, fixed optical splitting ratio, binocular: triocular = 80:20.
Eyepiece	High eye point large field of view flat field eyepiece PL10X/18mm
Long anomaly field achromatic objective	LMPL5X/ 0.13WD15.5mm
	LMPL10X/ 0.25WD8.7mm
	LMPL20X/ 0.40WD8.8mm
	LMPL50X/ 0.60WD5.10mm
Convertor	Internal positioning four-hole converter
Focusing mechanism	Low hand position coarse micro coaxial focusing mechanism, fine tuning accuracy 0.002mm, with the adjustment of the tension device to prevent sliding and mechanical upper limit device.
Stage	Composite double-layer mechanical mobile platform, table size 140*132mm (with 180*145mm flat platform, 102*102mm glass stage, easy to place larger size samples), moving range: 76mmX50mm, accuracy 0.1mm.
Reflective lighting system	Reflective Cora lighting, adaptive wide voltage 100V-240V, 5W LED warm color, light intensity continuously adjustable, with variable aperture diaphragm and field of view diaphragm, field of view diaphragm center adjustable
Optional	
Eyepiece	High eye point large field of view flat field eyepiece PL10X/18mm with micrometer
	High eye point large field of view eyepiece WF15X/13mm with micrometer
	High point large field of view eyepiece WF20X/10mm
Metallographic analysis system	FMIA2023 genuine metallographic analysis software, 5 million SONY chip camera device, 0.5X adaptive mirror interface, micrometer.
Objective lens	Long anomaly field achromatic objective LMPL100X/ 0.80WD2.0mm
Convertor	Internal positioning five-hole converter
Transmission lighting system	Adaptive 100V-240V wide voltage, single high-power 5W LED, warm color
Condenser	Abbe condenser, numerical aperture N.A.1.25.
Polarizing attachment	Polarizing mirror insert, polarizing mirror insert
Color filter	Yellow, green, blue, neutral filter
Computer	HP business