

A13.303-AW Large trinocular inverted metallurgical microscope



The picture is for reference only

Introduction:

It provides superior image quality, stable and reliable mechanical structure, easy operation and complete accessories. It is widely used in metallographic analysis of teaching and scientific research and material testing in factory laboratories.

Eyepiece and objective

High eye point, ultra wide field field eyepiece, PL10x/22mm, providing a wider and flat viewing space and can be equipped with various micrometers for measurement, infinity flat field achromatic long working distance professional Metallographic objective , no cover glass design.

Observation tube

Hinged trinocular, adjustable visibility, 45° tilt, photographic camera, capture and save observation images, configuration computer and professional software for image analysis.

Focusing mechanism

Low-handed coarse-tuning coaxial focusing mechanism with coarse adjustment elastic adjustment device, coarse adjustment of 38mm per revolution, fine adjustment accuracy of 0.002mm.

Lighting system

Reflective Kola illuminator with iris diaphragm and central adjustable field diaphragm, adaptive 90V-240V wide voltage, 12V50W imported halogen lamp, effectively protect and extend the life of halogen bulbs.

Stage

The coaxial low hand position adjustment moving ruler and the carrier extension plate can be added to expand the application space to meet the needs of customers with different needs.

Technical Specification

Optical system	Infinity chromatic aberration correction optical system
Observation tube	Hinged trinocular head, 45° tilt, pitch adjustment range: 54-75mm, unilateral diopter adjustment ± 5 diopter split ratio: binocular 100%, binocular: trinocular = 80%: 20%
eyepiece	High eye point large field of view flat field eyepiece PL10X22mm
Objective lens	Infinity long working distance flat field achromatic metallographic objective: LMPL5X /0.15 / WD10.8
	Infinity long working distance flat field achromatic metallographic objective: LMPL10X/0.3 / WD10
	Infinity long working distance flat field achromatic metallographic objective: LMPL20X/0.45 / WD4
	Infinity long working distance flat field semi-reduction metallographic objective: LMPLFL50X/0.55 / WD7.8
	Infinity long working distance flat field semi-reduction metallographic objective lens: LMPLFL100X/0.8/WD2.15 (optional)
converter	Five-hole converter
Focusing mechanism	Coarse and fine-tuning coaxial, coarse adjustment per revolution: 38mm, fine-tuning per revolution: 0.2 mm, focusing accuracy: 0.002mm, with elastic adjustment device
Stage	Fixed platform: size 160X250mm
Workbench	Metal stage plate (center hole $\Phi 12$) / metal stage plate (center hole $\Phi 25$) / stage extension plate
Moving ruler	Low position coaxial mechanical moving ruler, stroke 120x78mm

Reflective lighting system	Reflective Kola illuminator with variable aperture diaphragm and central adjustable field diaphragm, adaptive 90V~240V wide voltage, 12V50W halogen lamp, center adjustable, continuously adjustable brightness
Polarizing device	Polarizer insert
	Detector insert, 360 degree rotation
Filter	Φ32mm yellow/green/blue/neutral
Metallographic analysis software	Metallographic automatic analysis system
	5 megapixel map camera
	0.5X adapter
	Micrometer (accuracy is 0.01mm)





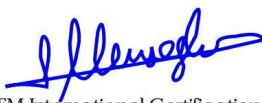
MACHINERY DIRECTIVE ATTESTATION OF CONFORMITY

Technical file of the company mentioned below has been inspected and audit has been completed successfully.

2006/42/EC Machinery Directive Annex VIII has been taken as references for these processes.

Company Name : **JINAN HENSGRAND INSTRUMENT CO., LTD.**
Company Address : NO.4915, WEST JINGSHI ROAD, JINAN, CHINA
Related Directives and Annex : **2006/42/EC Machinery Directive/Annex VIII**
Related Standards : **EN ISO 12100:2010, EN 60204-1:2018**
Product Name : **TESTING MACHINE**
Report No and Date : TCF-JHIC230128-MD
Product Brand/Model/Type : WDS-1, WDS-2, WDS-3, WDS-5, WDS-10, WDS-20, WDS-30, WDS-50, WDS-100, WDS-200, WDS-300, WDS-500, WDW-1, WDW-2, WDW-3, WDW-5, WDW-10, WDW-20, WDW-30, WDW-50, WDW-100, WDW-200, WDW-300, WDW-500, WDW-600, WDW-1000, WE-300, WE-600, WE-1000, WE-2000, WEW-300, WEW-600, WEW-1000, WEW-2000, WAW-300, WAW-600, WAW-1000, WAW-2000, WAW-3000, WAW-5000, WAW-6000, LAW-1000, JB-300B, JBS-300, JBW-300, JB-500B, JBS-500, JBW-500, JBW-750, CST-50, VU-2Y, VU-1S, DWC-40, DWC-60, DWC-80, DWC-100, DWC-196, YES-2000, YES-300, YAW-1000, YAW-300, YAW-2000, YAW-3000, YAW-5000, NDS-200, NDS-500, NDS-1000, NDS-2000, NDW-200, NDW-500, NDW-1000, NDW-2000, NDW-3000, NDW-5000, NDW-10000, HEZ-3, HEZ-6, HEZ-10, JWJ-10, TLS, TLW, HST-P50, HST-P100, HST-P200, HST-P300, RDJ, NDT, DWTT, GBW-60, GW-50, HST, XNR-400

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