

OBT5100 Trinocular Inverted Metallurgical Microscope With Polarizing



The picture is for reference only

1.Application

OBT5100 Trinocular Inverted metallurgical microscope is equipped excellent infinity optical system and modularization function design, you can easily upgrade the system to achieve polarization observation, dark field observation and other functions.

Compact and stable high rigidity body, fully embodies the anti-vibration requirements of microscope operation. Ideal design for ergonomic requirements, make the operation more convenient and comfortable, and space wider.

Suitable for microscopic observation of the microstructure and surface morphology, it is the ideal instrument for metal, mineralogy, precision engineering research.

2.Technical Features

2.1.Total magnification: 100-2000 times

2.2.Optical System: Infinity color correction optical system (CSIS), better image quality, higher resolution, more

comfortable observation

2.3.Objective: Infinity, long working distance, professional Metallurgical objective 50 times and 100 times, is a semi-apochromatic objective lens, a substantial increase in image clarity.

2.4.Eyepiece: High eye-point, wide field of vision flat field eyepieces, PL10x / 22mm, providing a more wide flat space observation and installation of all types for measuring micrometer.

2.5.Observation tube:Compensation Free Trinocular,diopter can be adjusted,45°tilt,can photography and collection and preservation the observed image,configuring computers and specialized software for image analysis.

2.6.Focusing mechanism: Low hand position coarse tune coaxial Focusing mechanism,with coarse tension adjustment device,coarse per rotation stroke 38mm,fine-tuning accuracy 0.002mm.

2.7.Lighting system: Reflective Corazon Illuminator with the iris diaphragm and center adjustable field diaphragm.

2.8.Stage: Can be installed coaxial low hand position adjustment moving feet and stage extension plate,expand the application space,to meet the different needs of customers to use.

3.Standard configuration: Technical Specifications

Eyepiece	Wide field WF10X (visual field number Φ22mm)	
Objective lens	FCM5100 (With bright field objectives)	PL L5X/0.12 BD Working distance: 9.70 mm
		PL L10X/0.25 BD Working distance: 9.30 mm
		PL L20X/0.40 BD Working distance: 7.23mm
		PL L100X/0.70 BD Working distance: 2.50 mm
Eyepiece tube	45°tilt, IPD adjustment range 53~75mm	
Focusing mechanism	Coaxial coarse focus,With locking device,Micro-grid value:2μm	
Converters	Five holes (Backward ball bearing inner locating)	
Stage	Mechanical moving stage, Dimensions:242mmX200mm, Moving Range:30mmX30mm	
	Circular rotating stage plate size: The largest diameter Φ130mm, Minimum clear aperture less than Φ12mm	
Illuminating system	6V30W Halogen lamp, adjustable brightness, suitable for FCM5000	
	Built-field diaphragm, aperture diaphragm and pull plate polarizer	
	With frosted glass; yellow, green and blue color filters basic configuration	
Adaptor	0.5X Computer Adaptor	
Digital camera	3.0 MP Digital Camera	



Authentication Certificate of Quality Management Systems

Registration No.19924Q01775R1S

This is to certify that

JINAN HENSGRAND INSTRUMENT CO., LTD.

Unified Social Credit Code: 91370104684680659H

Registered/Office/Production Address: No. 4915, Jingshi
West Road, Huaiyin District, Jinan City, Shandong Province

Is in conformity with:

GB/T 19001-2016/ISO 9001:2015

The certificate is valid for the following scope:

Trial assembly and sales of equipment

This certificate should be used effectively with the legal requirements of the administrative license,
qualification license, compulsory certification, which the certification scope involved.

In the case that the organization regularly receives surveillance assessments,
the certificate shall be valid when used together with the Quick Response Code.

Date of Issue: 2024-12-31

Date of Expiry: 2027-12-30

Date of Initial Certification: 2021-12-31

Date of Change: 2024-12-31

General Manager



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MANAGEMENT SYSTEM
CNAS C182-M

**China Standard Huaxin (Beijing)
Certification Center Co., Ltd.**



Address of Certification Authority: 5 Floor, YuQuan Building, No.3 Shijingshan Road, Shijingshan District, Beijing. Tel: 010-88255986 P.C.: 100049
Note: The detailed information is available on the Certification and Accreditation Administration of the People's Republic of China official website
(www.cnca.gov.cn) the authority's website(www.cshcc.cn) and the Quick Response Code on the left.



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

Certificate Number : **M.2023.206.C81366**
Initial Assessment Date : 31.01.2023
Registration Date : 01.02.2023
Reissue Date/No : -
Expiry Date : **31.01.2028**


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