

OBT5000 Trinocular Inverted Metallurgical Microscope With Polarizing



The picture is for reference only

1.Application:

FCM5000 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: 50-1000 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 $\Phi 22\text{mm}$)	
Objective lens (Infinity long working distance Achromatic Objective lens)	FCM5000 (With bright field objectives)	PL L10X/0.25 Working distance: 20.2 mm
		PL L20X/0.40 Working distance: 8.80 mm
		PL L50X/0.70 Working distance: 3.68 mm
		PL L100X/0.85(Dry) Working distance: 0.40 mm
Eyepiece tube	45°tilt, IPD adjustment range 53~75mm	
Focusing mechanism	Coaxial coarse focus,With locking device,Micro-grid value:2 μm	
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 $\Phi 130\text{mm}$, Minimum clear aperture less than $\Phi 12\text{mm}$	
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	





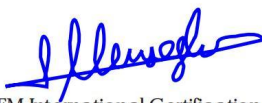
MACHINERY DIRECTIVE ATTESTATION OF CONFORMITY

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**


UDEM International Certification
Auditing Training Centre Industry
and Trade Inc. Co.

The validity of the certificate can be checked through www.udem.com.tr. Upon completion of EC declaration of conformity, it is used solely at the manufacturer's responsibility. This certificate remains the property of UDEM International Certification Auditing Training Centre Industry and Trade Inc. Co. to whom it must be returned upon request. The above named firm must keep a copy of this certificate for 15 years from the registration of certificate. This certificate only covers the product(s) stated above and UDEM must be noticed in case of any changes on the product(s)

Address: Mutlukent Mahallesi 2073 Sokak (Eski 93 Sokak) No:10 Çankaya - Ankara - TURKEY
Phone: +90 0312 443 03 90 **Fax:** +90 0312 443 03 76
E-mail: info@udem.com.tr www.udem.com.tr



HST GROUP Co., LTD.

Jinan Hensgrand Instrument Co., Ltd.

NO. 4915, West Jingshi Road, Jinan 250012, PR CHINA.

Phone/WhatsApp: +86-159 1008 1986

www.hsssdgroup.com - e-mail: admin@hsssdtest.com

No. 4915, Jingshi Road, Jinan, China

Tel: +86-15910081986