



COLA
lab experts

MET500T – Metallurgical Inverted Microscope

Trinocular

Download
Catalogue



MET500T Inverted Metallurgical Microscope, infinity plan optical system, quadruple inward nosepiece. MET600T is designed with a modular concept, allowing user customization, depending in your particular task which accepts a variety of attachments.

Infinity Independent Plan Achromatic Optical system
12V 50W halogen lamp
Trinocular head with C mount
Reflected light illumination
Inward quintuple revolving nosepiece
Plan Achromatic Objective 10X/20X(20)/50X(S)/80X(S)



Inverted Metallurgical Microscope



12V 50W Reflected Illumination



Nosepiece

Revolving and reversed nosepiece for 5 objectives



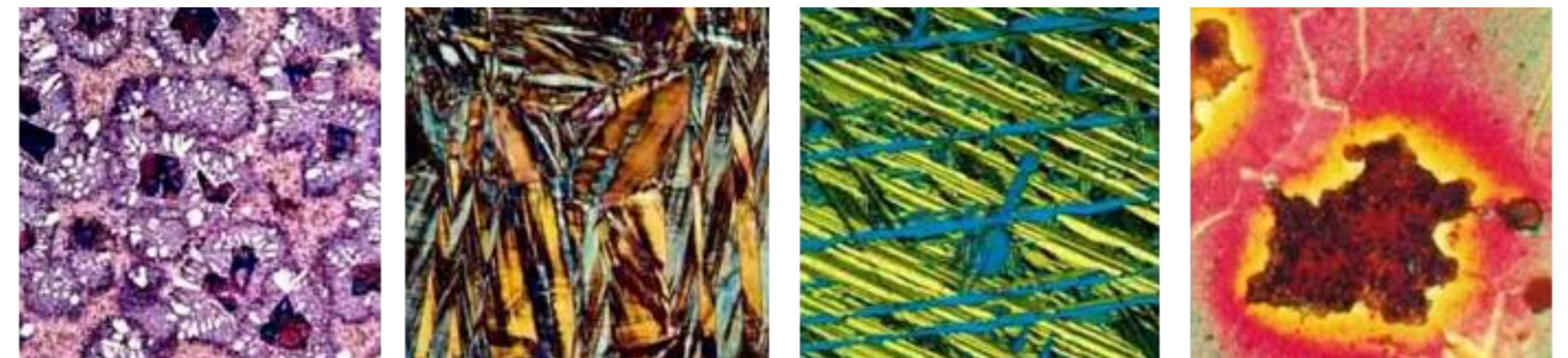
Objectives

Infinity LWD Plan Achromatic Objectives



ELWD condenser

ELWD condenser NA 0.30, LWD 72mm, it will be 150mm after taking down the condenser



EYEPECE

- Extended EWF 10x/20 mm eyepieces, Ø 30 mm tubes.
- Eyepieces can be secured to the tubes

HEADS

- Binocular Siedentopf type heads are with 45°/30° inclined tubes, Interpupillary distance from 52 to 75 mm and is equipped with diopter adjustment(s). (48 to 75 mm optional)

NOSEPIECE

- Revolving and reversed nosepiece for 5 objectives

OBJECTIVES

- All optics are anti-fungus treated and anti-reflection coated for maximum light throughput

STAGE

- Attachable mechanical stage
- Mechanical stage 240 x 260 mm stage with integrated 135 x 85 mm mechanical stage.

CONDENSER FOR BRIGHT FIELD

- ELWD condenser NA 0.30, LWD 72mm, it will be 150mm after taking down the condenser.

FOCUSING

- Coaxial coarse and fine adjustments, 100 graduations, 1 µm per graduation, 100 µm per rotation, total travel approximately 14 mm.
- Supplied with an adjustable rack stop to prevent damage to sample and objectives.
- The coarse adjustments are equipped with friction control

ILLUMINATION

- 12V 30W adjustable halogen illumination with internal 100-240 V power supply
- The innovative design offer larger apertures, allowing the optical system of the microscope to produce images at higher resolutions, very close to the theoretical diffraction limit of the optics.
- Other benefits of the MET Microscopes is the low energy consumption and a long operating lifetime
- The illumination on models with IOS plan and plan phase infinity corrected system provides high contrast and a maximum achievable resolving power of the optics.

METALLURGICAL MICROSCOPE	MET500T	MET502T
UCIS Infinity Independent Achromatic Optical System, Metal construction of frame,	●	●
Trinocular, Inclined 45° Interpupillary Distance 52-75mm Diopter adjustment	●	○
Trinocular Tube, Interpupillary distance 48-75mm, 30°inclined, dioptr adjustable	○	●
High Eye- point Plan Eyepiece WF10X/20	●●	●●
High Eye- point Plan Eyepiece WF10X/22	○○	○○
High Eye-point Plan Reticule Eyepiece 10X/18mm Diopter adjustment	○	●
High Eye- point Plan Reticule Eyepiece WF10X/20	●	○
Plan eyepiece WF16X/13	○○	○○
5X Infinity Long WD Plan Achromatic Objectives	○	○
10X Infinity LWD Plan Achromatic Objectives	●	●
20X Infinity LWD Plan Achromatic Objectives (S)	●	●
50X Infinity LWD Plan Achromatic Objectives (S)	●	●
80X Infinity LWD Plan Achromatic Objectives (S)	●	●
100X Infinity LWD Plan Achromatic Objectives (S) (Dry)	○	○
Mechanical Stage, 350X208mm, movement range 50X50mm	●	
Fixed Stage, 240mmX260mm; movement range: 135mmx85mm; with low-positioned X/Y coaxial control knob.	○	○
Mechanical Stage, 180mmx155mm; movement range: 80mmx50mm; with low-positioned X/Y coaxial control knob.	○	●
Drop specimen holder(φ110)	○	○
Drop specimen holder(φ118)	●	●
Specimen holder	●	●
Specimen holder 125*85	○	○
Quintuple Revolving Nosepiece Facing Inward	●	●
Multi-functional semi-reflector (metallurgical illuminator)	●	●
Bright field Module	●	●
Polarizer	●	●

Analyser	●	●
Phase-contrast slide (For 10X/20X/40X phase contrast and bright field observation)	●	●
Protection against unauthorized eyepiece and lens disassembly	○	○
Adapter for Nikon DSLR	○	○
Adapter for Cannon DSLR	○	○
0.5X C-Mount	●	●
0,25X C-Mount	○	○
1X C-Mount	○	○
12V100W Halogen Lamp House	●	●
12V 100W Halogen Lamp Power Supply	○	
12V 50W Halogen Lamp Power Supply	●	●
Blue filter(φ34) with slider	●	●
Green filter(φ34) with slider	●	●
Yellow filter(φ34) with slider	●	●
12V/50W Halogen-Tungsten* Bulb	●	●
12V/100W Halogen-Tungsten* Bulb	○	○
Digital Camera	○	○
Instruction Manual	●	●
φ2mm Allen screwdriver	●	●
Power Cord	●	●
Dust Cover	●	●

Please note

If this Microscope does not match the specific needs of your application, or some options are not listed for sale, please feel free to contact us. Our manufacturing engineers will come up with technical solutions to meet your needs. We reserve the right to change technical specifications at any time.