

METSCOPE PRO

Metallurgical Microscope



INTRODUCTION

METSCOPE PRO metallurgical microscopes adopt professional metallurgical objective and plan eyepiece to provide superior image, high resolution and comfortable observation. They combine bright field, dark field and polarizing observation. They are widely used in teaching and research of metallographic analysis, semiconductor silicon wafer inspection, geology mineral analysis, precision engineering and similar fields.

TECHNICAL SPECIFICATIONS

▶ TRINOCULAR OBSERVATION HEAD

- Siedentopf observation head inclined at 45°.
- Diopter adjustment ring on ocular tube. (±5).
- Interpupillary distance from 53mm to 75mm. Eyepiece (Anti fungus)

▶ WIDE FIELD EYEPIECE

- 10X (paired) F.O.V. 22mm.

▶ OBJECTIVES (INFINITY CORRECTED)

- Long working distance plan 5X (WD 11.0mm)
- Long working distance plan 10X (WD 20.2mm)
- Long working distance plan 20x (WD 8.80mm)
- Long working distance plan 50X (WD 3.68mm)
- Long working distance plan 100X (S.L.) Dry (WD 0.40mm) Optional

▶ Illumination

Epi-Koehler's illumination. Aperture iris diaphragm and field iris diaphragm 3W LED halogen lamp. Adjustable brightness. Filter wheel fixed in light path with blue, green & yellow filters.

▶ Polarizing Outfit (Optional)

Analyzer rotatable at 360. Polarizer & Analyzer can be slide in/out of the optical path.

▶ Mechanical Body

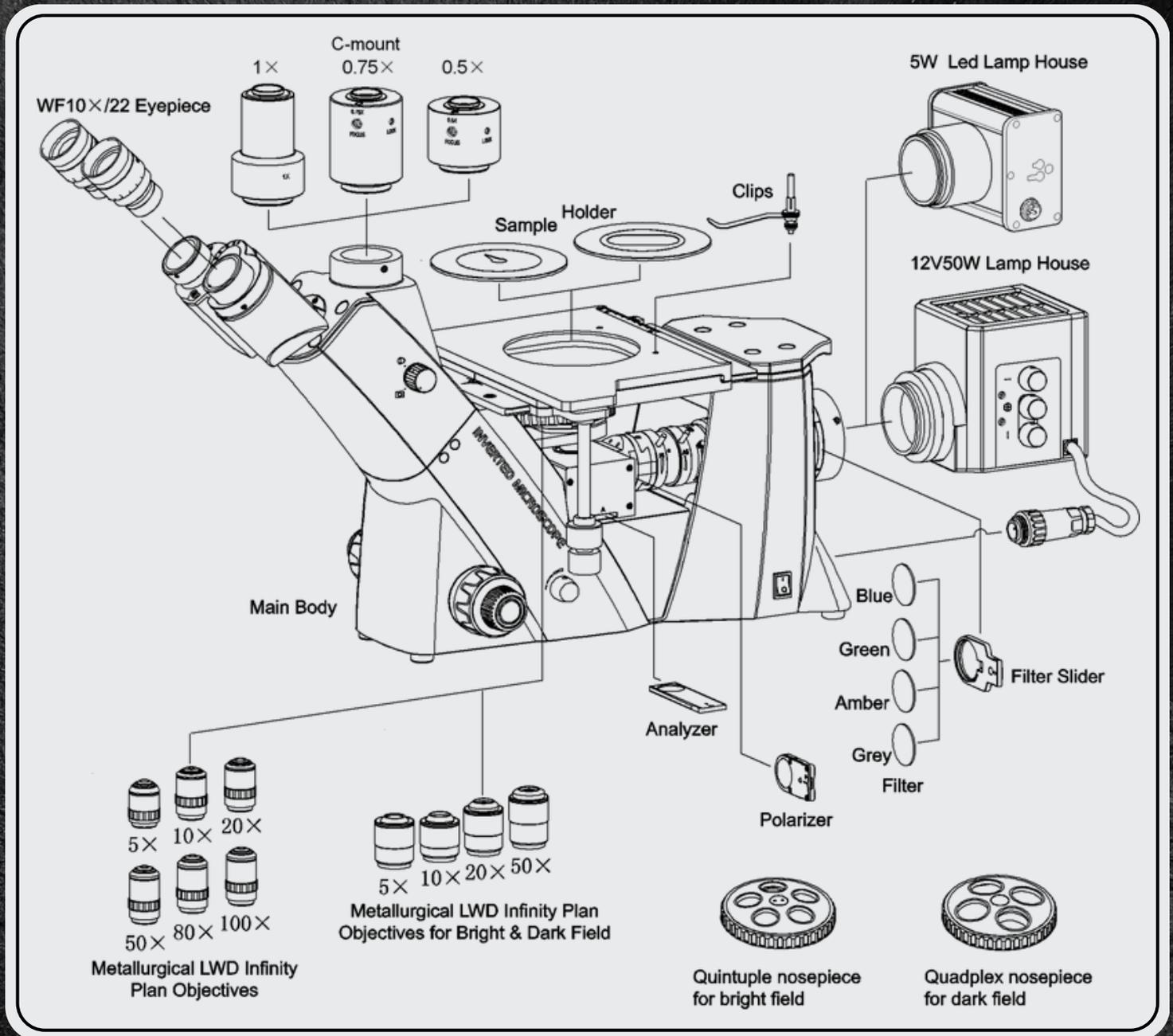
- Co-axial focusing system with large knobs, pre focusing lever & tension adjustment ring.
- Quintuple nosepiece on ball bearing.
- Mechanical stage is 242mm x 200mm and moving range 30mmx30mm
- Mechanical stage has low positioned co-axial controls on ball bearing guide ways.

▶ Standard Accessories

3W LED lamp, operating manual, dust cover, guarantee card and styrofoam molded pack.



SYSTEM DIAGRAM



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