

METSCOPE PRIME

UPRIGHT TRINOCULAR
METALLURGICAL MICROSCOPE



INTRODUCTION

Metscope Prime is a high level professional metallurgical microscope which is specially designed for metallurgical analysis and industrial inspections. With excellent optical system, ingenious stand and convenient operation.



TECHNICAL SPECIFICATIONS

TRINOCULAR OBSERVATION HEAD

- Sidentopf observation head inclined at 30° rotatable at 360°
- Vertical focusable phototube for micro photography.
- Diopter adjustment ring on ocular tube (± 5).
- Interpupillary distance from 50mm to 75mm.

EYEPIECE(ANTI FUNGAL TREATED)

- Extra wide field 10x (paired)
- F.O.V.22mm Ocular Dia 30mm.

OBJECTIVE(INFINITY CORRECTED & AMP; ANTI FUNGAL TREATED)

- LWD Plan Achromatic Metallurgical Objective 5x
- LWD Plan Achromatic Metallurgical Objective 10x
- LWD Plan Achromatic Metallurgical Objective 20x
- LWD Plan Achromatic Metallurgical Objective 50x(S.L.)
- LWD Plan Achromatic Metallurgical Objective 100x (Dry)

SUB STAGE CONDENSER

- Swing out front lens, abbe condenser N.A. 0.9, filter holder and ilris diaphragm

REFLECTED ILLUMINATION

- 5W LED, Warm color, Koehiers with illumination with oblique device, center adjustable field and aperture diaphragm

STANDARD ACCESSORIES

- 5W LED bulb, dust cover, blue filter, guarantee card operating manual and Styrofoam molded pack

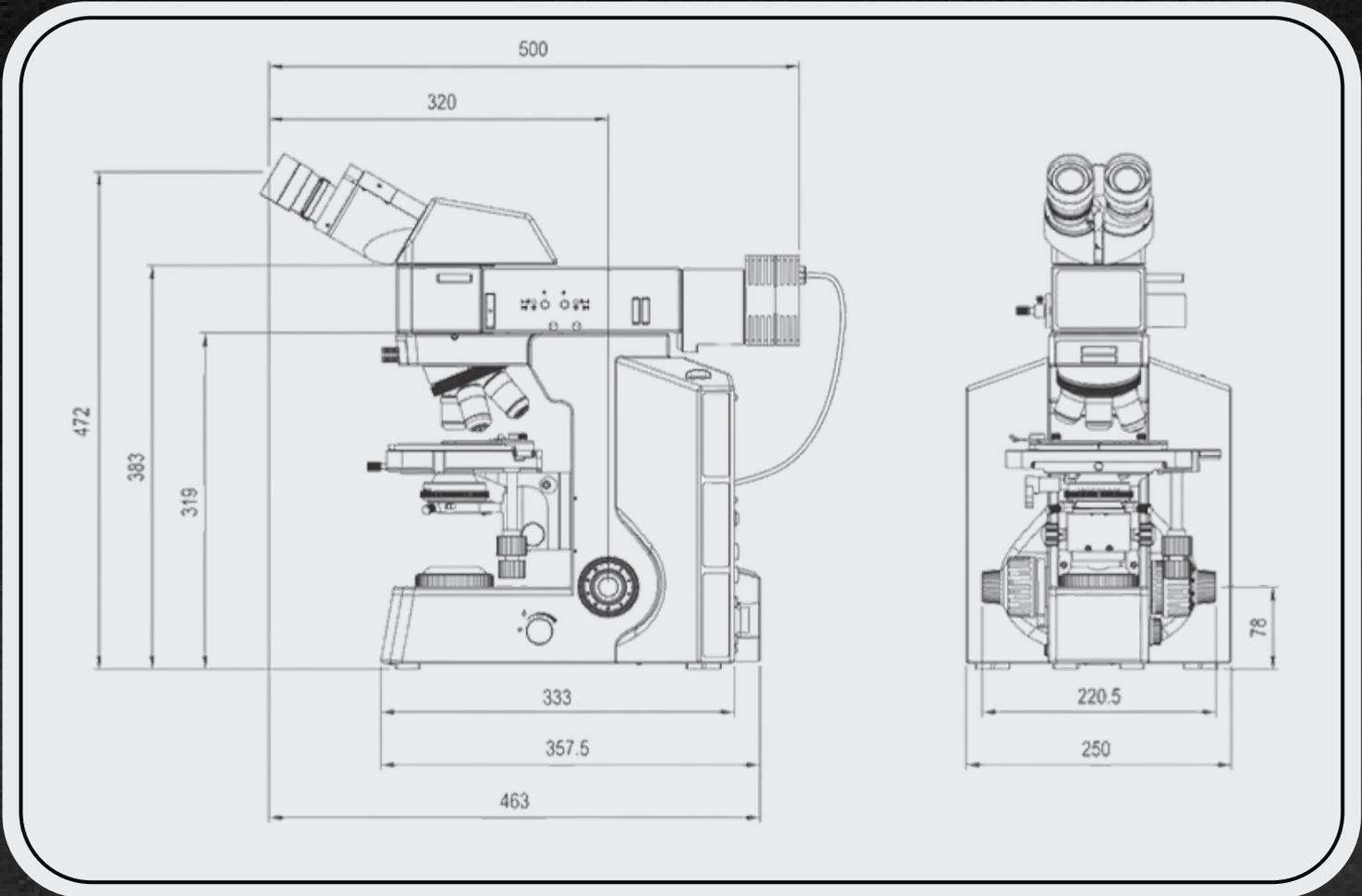
MECHANICAL BODY

- Co-axial focusing control with large knob.
- PRE-FOCUSING LEVER & TENSION ADJUSTMENT RING.
- Reverse angle quintuple nosepiece revolving on Ball bearing with slot for polarizer & DIC attachments.
- Rotatable & rackless motorized mechanical stage size 150mm x 150mm. Low positioned co-axial controls on ball bearing guide ways.
- XY sample stage = Motorized
- XY stage travel = 100mm x 100mm
- focusing stage = Motorized with autofocusing algorithm
- focusing stage travel = 25mm

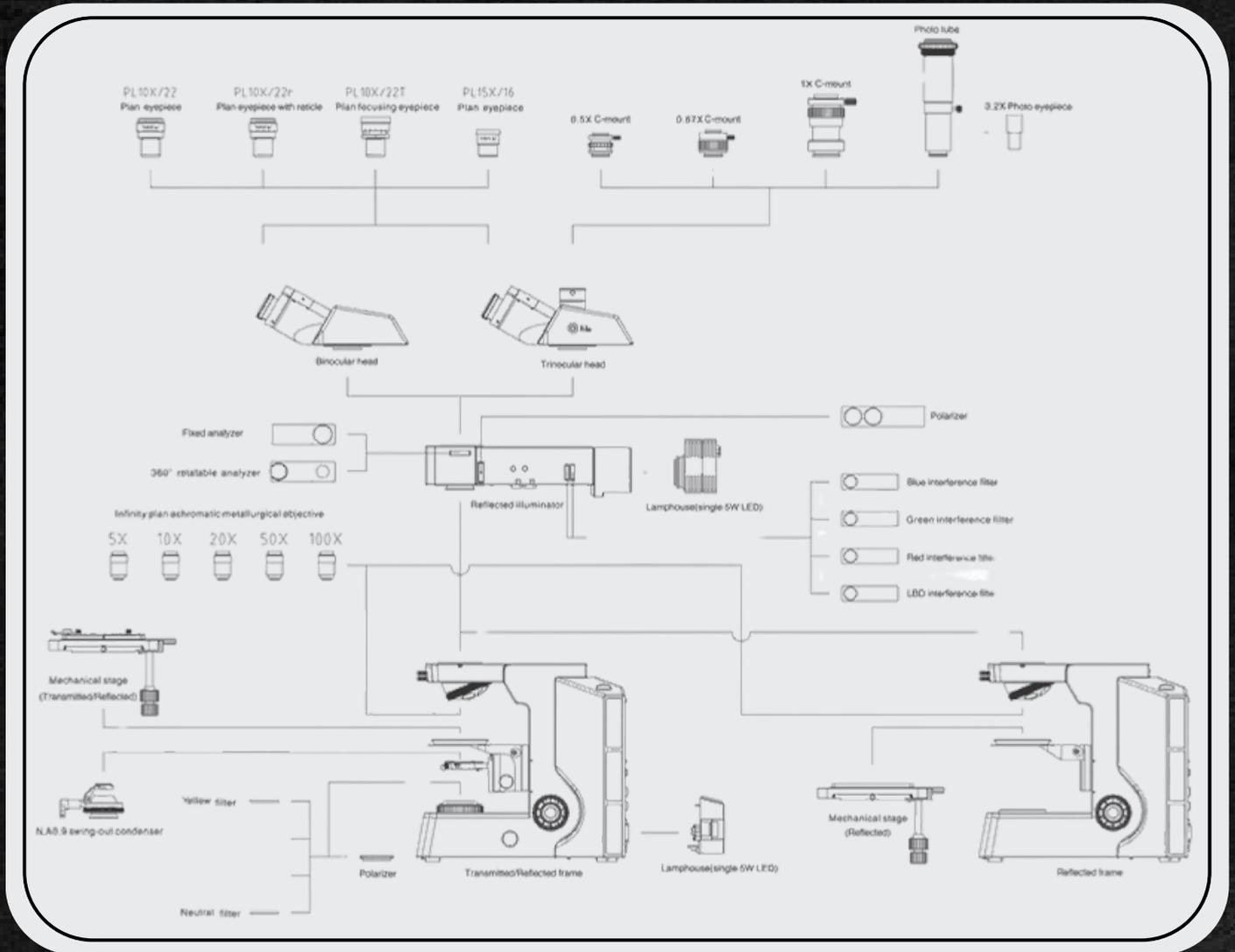




DIMENSIONS



SYSTEM DIAGRAM



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