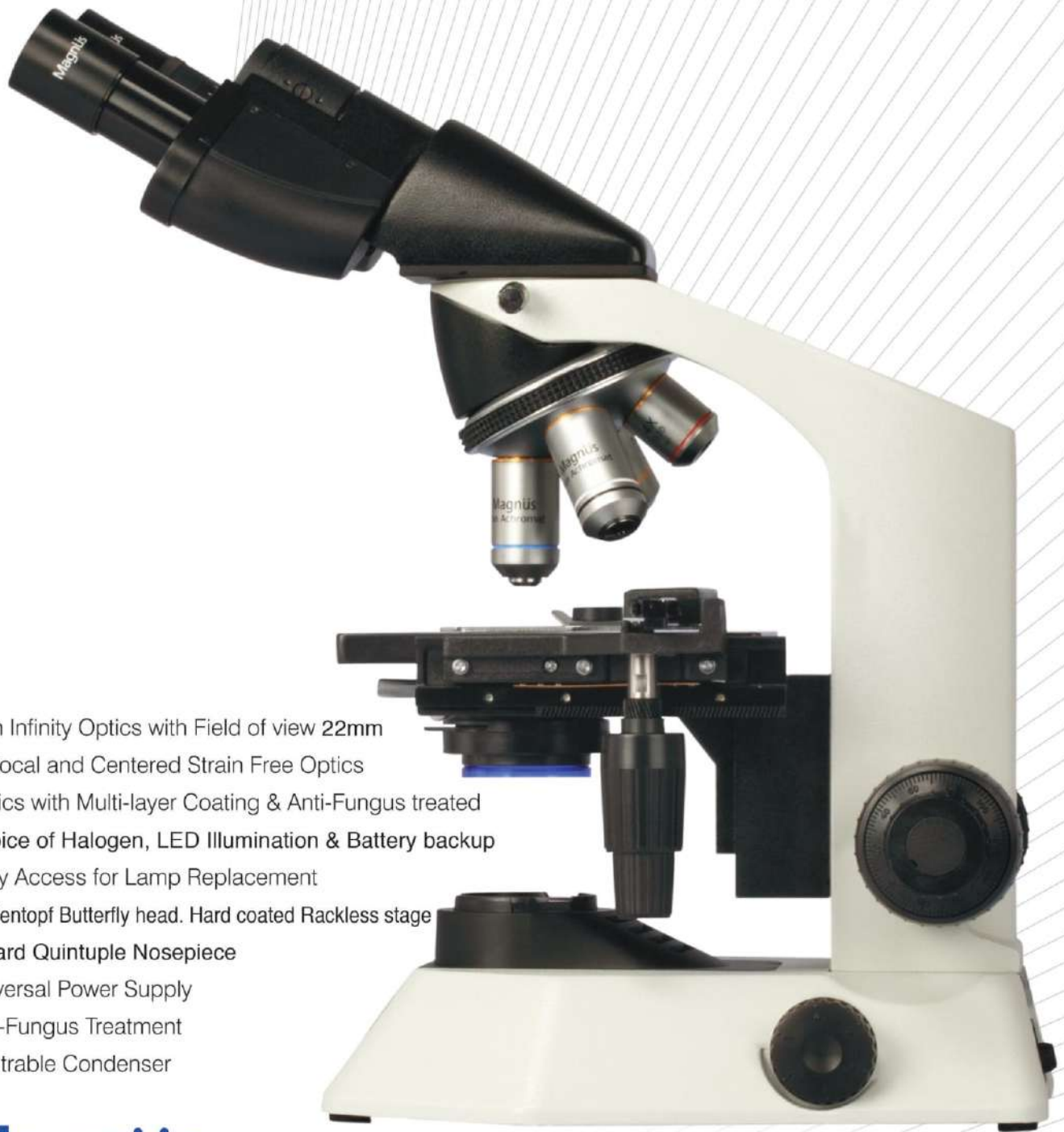


MLXi Plus Pro

MICROSCOPE MASTERCLASS



- Plan Infinity Optics with Field of view 22mm
- Parfocal and Centered Strain Free Optics
- Optics with Multi-layer Coating & Anti-Fungus treated
- Choice of Halogen, LED Illumination & Battery backup
- Easy Access for Lamp Replacement
- Siedentopf Butterfly head. Hard coated Rackless stage
- Inward Quintuple Nosepiece
- Universal Power Supply
- Anti-Fungus Treatment
- Centrable Condenser

Magnus

MLXi Plus Pro Binocular Microscope

MICROSCOPES FOR RESEARCH APPLICATIONS

Specifications :

MAGNUS Inclined Biological Microscope Model MLXi Plus Pro /MLX i-TR Plus Pro

ITEM	SPECIFICATIONS	MLXi Plus Pro Binocular Version	MLX-TR Plus Pro Trinocular Version
Optical System	Plan infinity strain free optics with Anti-fungus treatment, uniformly centered, interchangeable & Parfocal	●	●
Body	Aluminium die-cast body with all critical movements based on ball bearing & wire guides thereby ensuring smooth & precise manipulation	●	●
Mechanical Stage	Co-axial low drive mechanical rackless stage (125mm x 145mm) (+/-5mm) with traverse area of 30mm x 76mm (+/-5mm)	●	●
Focusing System	Co-axial coarse & fine controls with a focus adjustment and fine adjustment knobs. Coarse Focus range 20mm. Fine focus 0.2mm rotation	●	●
Condenser	Centerable abbe condenser with aperture iris diaphragm (N.A. 1.25) focusable with rack & pinion and a continuously variable iris diaphragm	●	●
Illumination base with option (a), (b), (c)	(a) Built-illumination base with pre-centered 6V 20W halogen light source with one bulb coupled with an efficient collector lens system. Front open Light case for easy bulb change. Universal power supply 100 V-240V 50/60Hz through SMPS circuit for constant voltage to prolong bulb life & prevent frequent bulb change. Optional 6V 30W Halogen Bulb	MLXi Plus Pro	MLX-TR Plus Pro
	(b) LED Light source High brightness, longlife (30,000hrs).	MLXi Plus Pro LED	MLX-TR Plus Pro LED
	(c) LED light source (with battery back-up) High brightness, longlife (30,000hrs). Battery back-up in-built NiMH Rechargeable batteries provide 6 to 8 hrs back-up on full charge.	MLXi Plus Pro Freedom	MLX-TR Plus Pro Freedom
Nose Piece	Quintuple revolving inward nosepiece based on precision ball-bearing mechanism with positive click stop.	●	●
Objectives	Plan Achromat Objectives		
	4X	N.A. 0.10	W.D. 18.5 mm
	10X	0.25	10.6 mm
	20X	0.45	2.4mm
	40X (spring loaded)	0.65	0.6 mm
	100X (oil, spring loaded)	1.25	0.13 mm
	Infinity corrected plan optics Uniformly centered, Interchangeable & Parfocal Anti fungus treated Tropicalized anti fungus treatment ensures image excellence for long periods in conditions favoring to fungus growth	●	●
Inclined Observation Head <small>With a special anti-fungus treatment and an anti-reflection optical coating of the prism (to enhance the image brightness)</small>	Binocular (30 degree inclined siedentopf butterfly head), 360 degree rotatable.	●	
	Trinocular (30 degree inclined siedentopf butterfly head), 360 degree rotatable.		●
Eyepiece (wide field) for observation	WH 10x (FN 22mm) paired eyepiece, one fixed type eyepiece and one diopter eyepiece. Compatible with optionally available eyepiece micrometer.	●	●

Packed in a Corrugated box with Instruction manual, Dust Cover, Power Cord & Immersion oil (5ml). The reflector mirror, spare bulb & wooden cabinet are optionally available.

Optional Accessories



Epi LED



Reflected Fluorescence Attachment uses a unique proprietary illumination system, allowing significant increase in performance and cost reduction. The EpiLED comes with a choice of blue, royal blue and green LED cassettes.

Trinocular Head & Camera Adapters that allow users to mount various kinds of digital cameras onto the trinocular head of the microscope for quick and easy digital documentation.

Digital Camera System with Image Analysis Software

- Phase contrast attachment • Polarization attachment • Optional Eyepiece: 15X • Kohler attachment • Optional objectives: 60X and no cover objective NC 40X for Epi LED for TB applications • Image analysis Software
- Heating Stage • Motorised Stage • Double layer mechanical rackless stage • USB powered high resolution UCMOS camera (3mp, 5mp & 10mp) for BF applications & UHCCD (1.4mp camera) for Fluorescence applications



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SRI VAISHNAV SCIENTIFIC & LAB EQUIPMENTS

Address: #16-2-749/6 & 6A, Flat no. 105 Sri Tirumala Towers, Revenue Board Colony, Gaddiannaram, Dilsukhnagar, Hyderabad – 36.

Phone :+91 9346001333 , +91 9676491333, E-mail: srivaishnavsle@yahoo.com