

PROJECTINO™
(Projection Microscope for Yarn & Fiber)

INTRODUCTION

PROJECTINO™ is a latest model Polarizing Projection Microscope which is very useful for Textile laboratories for analysis of textile fibre & yarns. Special Polarized light increases the clarity & sharpness of the specimen.

EQUIPMENT

Paramount **PROJECTINO™** is a specially designed Polarizing Projection Microscope with Polarized light effects to increase the clarity & sharpness of the specimen. Five objectives of different resolutions are provided to change the power of magnification according to the requirement. Wide screen to project the magnified sample for proper viewing & flawless analysis. The screen has a scale graduated on it for the measurement of fibre length & dia. Specially designed mechanical stage is provided for mounting the sample, which can be moved Up, Down, Forward & Backward. Light intensity controller knob is provided to adjust the light intensity. Fine & coarse focus adjustment knob helps in focusing the sample easily. The unit is meticulously finished in cream paint.

SALIENT FEATURES

- Specially designed polarizing microscope used for fibre identification.
- Latest design with modern aesthetics.
- Maximum resolution that can be attained is 1000x.
- Any type of measurement like length, diameter of any fine textile fibre can be done.
- Enlarged view of sample due to projection on 360° graduated screen.
- Complete with all accessories including stage micrometer for calibration.
- Supplied with calibration & inspection certificates.

PROJECTION™ is supplied complete with below accessories.

Main Unit	: 01 No.
Objectives (4x, 10x, 20x and 40x)	: 01 No. (Each)
Micro Slides (One Packet)	: 01 Pkt.
Stage Micrometer (For calibrating the graduated screen)	: 01 No.
Cover Glasses (One Packet)	: 01 Pkt.
Pointing Needle (To take out yarn from fabrics)	: 01 No.
Lead with Plug	: 01 No.
Spare Halogen Bulb (24 Volts, 150 Watts)	: 01 No.
Spare Fuse (3.0 Amp.)	: 01 No.
Brush to clean Objectives	: 01 No.
Cotton Cloth to clean the Objectives & Screen	: 01 No.
Yarn Holder (To Check Yarn Specimens)	: 01 No.
Dust Cover	: 01 No.
Detailed User's Manual	: 01 No.
Calibration Certificate (Traceable to NPL)	: 01 No.
Inspection & Conformance Certificate	: 01 No.



TECHNICAL DETAILS

Magnification Power	: 125x, 250x, 500x & 1000x
Objective	:
Screen	: 360° Relatable Graduated Screen (can be Calibrated with the provided stage micrometer)
Filters	: Three (Green, Yellow & Normal Filter)
Light Control	: Invariably controlled Light Intensity Meter.
Mechanical Stage	: Graduated Mechanical Stage with X & Y (Forward & Backward Movement and Left & Right Movement)
Screen Pointers	: Two : One Arrow & One Circle Pointer on the Screen (to identifies the view area)
Polariser & Analysers	: Built-in, Selectable with a knob & Slideable Unit.
Coarse Focus Adjustment	: With a Knob (Bigger Knob).
Fine Focus Adjustment	: With a Knob (Smaller Knob).
Light Condenser Movement	: Up/ Down with a knob
Condenser Diaphragm	: Iris Diaphragm (Can be opened/Closed with the Knob Provided).
Light Centering	: With three long screws.
Stage Micrometer	: 1 mm Scale with 0.01 mm Accuracy.
Mains Supply	: 230 ± 10%, 50 HZ, 1 Phase AC Supply.
Overall Dimensions of the Unit	: 320 (W) x 465 (D) x 635 (H) mm. 12.5" (W) x 18.5" (D) x 25" (H) Inch.
Net Weight of the Unit	: 17 Kg. (37.4 lbs)

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