

#### DESCRIPTION

**I**nverted Metallurgical Microscopes are suitable to observe microstructure of Metallographic opaque or transparent object. ACUCAL Inverted Metallurgical microscopes are equipped with sophisticated optical system and modularization function design so that provided excellent optical quality and operation performance. The microscope is having superb capability to reveal significant specimen details with outstanding relief in black and white or brilliant colors. Microscope is having motion assembled on ball bearing guides, having compact design, clear glare free image, low drive stage.



This is ideal optical instrument for non destructive testing of materials in ceramics, textile, petrochemicals, defence, R&D establishments. It can be used in scientific research & universities for metallography, mineralogy, precision engineering etc.

### TECHNICAL SPECIFICATION

Standard Eyepiece	Wide Field 10X/ Ø18 eyepiece pair
Optional Eyepiece	5X, 15X & 20X eyepiece pair Micrometer Eyepiece 10X Magnification
Standard Objective	Achromatic objectives (Bright field, Parfocal and precentered): 5X, 10X, 20X & 40X,
Optional Objective	50X, 100X (Oil/Dry)
Magnification	50X to 400X (With standard eyepiece & objective) 25X to 2000X (With optional eyepiece & objective)
Focusing system	Coaxial coarse/fine focus system, with tension adjustable device, Manual Focus adjustment
Nosepiece	Quadruple (Backward ball bearing inner locating)
Stage	Mechanical stage, Two layer, Three axis moveable, coaxial x-y movement, Overall size: 170mm X 135mm, X-Y moving range: 30mm x 30mm
Illumination system	12V 50W Halogen, 220V AC/50Hz, Adjustable brightness through rotary control switch, on and off switch Integrated Iris diaphragm.
Filter	Blue, Green & Yellow
Standard Accessories	Dust Cover, Operating Manual

### FEATURES

- Metallic structure and modularization functioning design.
- Ergonomic design, with coaxial focus system
- Complete optional accessories.
- Horizontal Illumination with centring provision.
- Heavy Duty Transformer
- Perfect transmission system having localized illumination and flatness of field.