



## **Inverted Binocular Metallurgical Microscope E-100**

### **Introduction:**

Invert binocular metallurgical microscope is used to discern and analyze organizational structure from kinds of metal. It is very important in the work of quality research for foundry, smelt, heat treatment

and inspection for raw material and analysis for metallurgical

structure of material after processing. It is also the important tool of

research work for metal physics, which is widely used in enterprise,

university and R&D.



This system is equipped with Kohler illumination, field uniform, clear

image, flexible operation, competitive price / performance ratio. It is

the ideal solution for the study of metallography, mineralogy and precision engineering.

Total magnification: 40X-1000X

### **Features:**

1, Classic models, flat field of view, high definition, quality stability, cost-effective.

2, Adjustable aperture diaphragm for optimum illumination. Improved image contrast.

3, Double layer mechanical stage with scale display and easiness to access and control the stage handle.

### **Application:**

1. Analysis of the internal structure of metal and ore phases.

2. Electronic factory, PCB board, chip inspection.

3. Characterization of material surface, such as scratches, cracks, uniformity of spray paint.



# EBP GROUP INC

Provide solutions for material preparation, testing and analysis

## Technical Parameter:

Model	E-100
Eyepiece	WF10X/Ø18mm plan eyepiece
Objective	4X/0.10, 10X/0.25, 40X/0.65 (plan field, spring), 100X/1.25 (oil, spring)
Total magnification	40X, 100X, 400X, 1000X
Head	Hinge type 45 degree inclined binocular
Nosepiece / Turret	Four hole
Focus	Fine and coarse coaxial, with lock function, fine precision: 2um
Stage	Size: 200*180mm, moving range: 70*50mm Ø10 & Ø20 metal stage
Illumination	Pupil distance: 55-75mm 6V20W halogen bulb, brightness is adjustment With aperture diaphragm and centering field diaphragm
Filter	Blue, green, yellow
Operation Environment	<ul style="list-style-type: none"><li>● Indoor</li><li>● Altitude: 2000m Max.</li><li>● Temperature: 5°C-40°C (41°F -104°F)</li><li>● Humidity: 80% for 31°C (88°F) 70% for 34°C (93°F) 60% for 37°C (99°F) 50% for 40°C (104°F)</li><li>● Pollution: 2 (Refer to IEC664)</li></ul>
Weight	Net weight: 7kg; Gross weight: 8.5kg
Size	Machine size: 18X25X33cm; Packing size: 42X35X52cm