



Model:  
**B-500Bi**

Typology:  
**RESEARCH MICROSCOPE**

**Description:**

*Laboratory microscope for routine and research applications.  
Dye-cast frame, with high stability and ergonomy, for transmitted light observation.*

<b>Illumination</b>	<p><b>Light source type X-LED with white LED;</b> light intensity control using a knob on left side of the frame. LED power 3W, comparable to an halogen bulb 50W. Color temperature: 6300K LED average life time approx. 50.000h. The light exit can be used as a filter holder for additional filters (blue, yellow, frosted). Voltage: 110/230Vac, 50/60Hz, 0,4/0,8A; Fuse: T3.15A 250V Max power required: 7W</p>
<b>Observation Modes</b>	Brightfield
<b>Focusing</b>	<p>Coaxial coarse and fine focusing mechanism (graduated, 0.002mm) with upper stop, to prevent the contact between objective and specimen. Adjustable tension of coarse focusing knob.</p>
<b>Stage</b>	<p>Double layer with mechanical sliding stage, size 175x145mm, X-Y movement range 76x52, specimen holder for two slides. Vernier scale on the two axes, accuracy 0,1 mm.</p>
<b>Nosepiece</b>	Quintuple revolving nosepiece, rotation on ball bearings.
<b>Head</b>	<p>Binocular observation head, inclined 30° and rotatable 360°. Diopter adjustment on left eyepiece. Interpupillary adjustment 55-75 mm.</p>
<b>Eyepieces</b>	Wide field eyepieces WF10X/22 with field number 22.
<b>Objectives</b>	<p><b>Infinity corrected optical system IOS (Infinity Optical System).</b> Plan-achromatic objectives infinity corrected, made by following objectives: -) Plan-achromatic IOS 4X, A.N. 0.10, W.D. 11.9 mm -) Plan-achromatic IOS 10X, A.N. 0.25, W.D. 12.1 mm -) Plan-achromatic IOS 40X, A.N. 0.65, W.D. 0.36 mm -) Plan-achromatic IOS 100X, A.N. 1,25, W.D. 0.18 mm (oil immersion) All objectives are treated with an anti-fungus treatment.</p>
<b>Condenser</b>	Swing-out type, N.A.0.9 with centering system.
<b>Dimensions</b>	<p>HEIGHT: 420 mm WIDTH: 250 mm DEPTH: 290 mm WEIGHT: 8 kg</p>
<b>Accessories</b>	Instruction manual and dust cover included