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## LB-616 Trinocular Laboratory Metallurgical Microscope with Infinite Optical System, Bright Field and Dark Field Objectives, Extra Wide Field, Reflected, Transmitted and Kohler Illumination

### Features

Laboratory metallurgical microscope, including bright field and dark field observation system.  
Powerful transmitted and reflected system with Kohler illumination.  
Ideal instrument for metallurgical analysis, industry inspection and science research.

### Applications

LB-616 Trinocular Laboratory Metallurgical Microscope with Infinite Optical System, Bright Field and Dark Field Objectives, Extra Wide Field, Reflected, Transmitted and Kohler Illumination is widely used in institutes and laboratories to observe and identify the structure of various metals and alloys. It also can be widely used in the electronics, chemical and instrumentation industry to observe opaque materials and transparent materials, such as metal, ceramics, integrated circuits, electronic chips, printed circuit boards, LCD panels, film, powder, toner, wire, fibers, plated coatings, and other non-metallic materials and so on.

### Technical Specifications

Optical System:	Infinite optical system
Viewing Head:	Siedentopf trinocular viewing head, inclined at 30°, interpupillary distance 48mm-75mm
Eyepiece:	Extra wide field eyepiece EW10×/22, eyepiece tube Φ30mm
Infinite Plan Achromatic Objective:	5×/ 0.12/∞/ - (BF/DF) WD 12mm 10×/ 0.25/∞/ - (BF/DF) WD 10.0mm 20×/ 0.4/∞/ 0 (BF/DF) WD 4.3mm 40×/ 0.65/∞/ 0.17 WD 0.54mm 100×/ 1.25/∞/ 0.17 WD 0.13mm 50×/ 0.75/∞/ 0 (BF/DF) WD 0.32mm 100×/ 0.8/∞/ 0 (BF/DF) WD 2mm
Maximum Sample Height:	30mm
Reflected Light:	24V/100W Halogen light, Brightness adjustable Kohler illumination and aspherical condenser Blue, Green, Yellow and Frosted filter
Transmitted Light:	Swing-out condenser NAO.9/ 0.25 24V/100W Halogen light and aspherical condenser Blue filter
Focusing:	Coaxial Coarse and Fine Adjustment, Fine Division 0.001mm, Coarse Stroke 37.7mm per Rotation, Fine Stroke 0.1mm per Rotation, Moving Range 24mm
Nosepiece:	Backward quintuple nosepiece
Stage:	Double layer mechanical stage(without hole) 186×138mm/ 74mm×50mm Specimen preparation plate Slide glass

