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LB-621 Inverted Trinocular Metallurgical Microscope with Extra Wide Field, Infinite Plan APO Optical System and Kohler Illumination

Introduction

LB-621 Inverted Trinocular Metallurgical Microscope with Extra Wide Field, Infinite Plan APO Optical System (Infinity Color Corrected System) and Kohler Illumination is a high level research metallurgical microscope. It can identify and analyze not only a variety of metals, alloys, non-metallic material and the organizational structure and integrated circuits, but also micro-particles, wires, fibers, surface coating and so on. Digital cameras can be added to the trinocular tube to take images and make image analysis. DIC observation is optional.

Applications

LB-621 Inverted Trinocular Metallurgical Microscope with Extra Wide Field, Infinite Plan APO Optical System and Kohler Illumination is the best choice for material microscopy expert who requires high-performance optical tool. It supplies the best optical performance for material research, quality control, Invalidation Analysis and other challenging applications. It can be used in institutes and laboratories to observe and identify the structure of various metal and alloy, it also can be used in electronics, chemical and instrumentation industry to observe the 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 with scale of crosshair
Infinite plan Achromatic Objective:	5×/ 0.12/ ∞/ - (BF) 10×/ 0.25/ ∞/ - (BF/DF) 20×/ 0.4/ ∞/ 0 (BF/DF) 50×/ 0.75/ ∞/ 0 (BF) 100×/ 0.9/ ∞/ 0 (BF)
Maximum Sample Height:	30mm
Incident Light:	24V/100W Halogen light, lightness adjustable Kohler illumination and aspherical condenser Blue, Green, Yellow and Ground glass
Transmitted light:	Swing-out condenser NA0.9/ 0.25 24V/ 100W Halogen light and aspherical condenser Blue filter
Focusing:	Coaxial coarse and fine adjustment, fine division 2μm, Move up 1mm, down 12mm
Nosepiece:	Backward quintuple nosepiece
Stage:	Double layer mechanical stage 186×138mm/ 74mm×50mm Specimen preparation plate

