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## LB-612 Binocular Metallurgical Microscope with Infinite Plan Optical System, Extra Wide Field, 5 objectives, Backward Quintuple Nosepiece, Reflected/Transmitted and Reflected Kohler and Halogen Illumination, Polarizer and Analyzer

### Introduction

LB-612 Binocular Metallurgical Microscope with Infinite Plan Optical System, Extra Wide Field, 5 objectives, Backward Quintuple Nosepiece, Reflected Kohler and Halogen Illumination, Polarizer and Analyzer are high level metallurgical microscopes with Reflected/Transmitted and Reflected illumination system, they not only can be used to identify and analyze a variety of metals, alloys, non-metallic material and the organizational structure and integrated circuits, but also can be applied to micro-particles, wires, fibers, surface coating such as some of the surface conditions. Digital cameras can be added to the trinocular tube to take images and make image analysis.

### Applications

LB-612 Binocular Metallurgical Microscope with Infinite Plan Optical System, Extra Wide Field, 5 objectives, Backward Quintuple Nosepiece, Reflected/Transmitted and Reflected Kohler and Halogen Illumination, Polarizer and Analyzer 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 electronics, chemical and instrumentation industry, observe the opaque material and transparent material, 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 binocular viewing head, inclined at 30°, interpupillary distance 48-75mm
Extra Wide Field Eyepiece:	WF10×/22 WF10×/22 Eyepiece with scale of cross hair
Infinite Plan Achromatic Objective:	5×/0.12/∞/- (BF/DF) LWD 10mm 10×/0.25/∞/- (BF/DF) LWD 10mm 20×/0.40/∞/0 (BF/DF) LWD 5.0mm 50×/0.75/∞/0 (BF/DF) LWD 1.3mm 100×/0.90(Dry)/∞/0 (BF) LWD 0.7mm 40×/0.65/∞/0.17 (BF) WD 0.6mm 100×/1.25/∞/0.17 (BF) WD 0.16mm
Nosepiece:	Backward quintuple nosepiece
Stage:	Double layer mechanical stage 216×150mm, Moving range 78×54mm
Focusing:	Coaxial coarse & fine adjustment, fine division 2μm, moving range 30mm
Kohler Illumination:	Reflected 12V/50W Halogen light, Center and brightness adjustable Transmitted 12V/20W Halogen light, Center and brightness adjustable Polarizer and analyzer Green, Gray and Frosted filter
Accessories:	Micrometer scale 0.01mm

