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# LB-865 Binocular Gemological Microscope with Extra Wide Field

## Introduction

**LB-865 Binocular Gemological Microscope with Extra Wide Field** is the microscope used by jewelers and gem stone experts. is the microscope used by jewelers and gem stone experts, the gemological microscope is the most important tool in their jobs. **LB-865 Binocular Gemological Microscope with Extra Wide Field** is especially designed to view precious stone samples and the pieces of jewelry that contain them. This microscope is equipped with multiple illumination systems to enhance the image of the sample.

## Applications

**LB-865 Binocular Gemological Microscope with Extra Wide Field** is usually used to inspect the authenticity of gemstones and in the design, creation, and repair of jewelry. It can be used for inspecting diamonds, emeralds, rubies, and all other types of precious stones.

## Technical Specifications

Stereo Zoom Body:	Zoom ratio $0.7\times$ - $4.5\times$ , zoom ratio 1:6.5, working distance 95mm
Eyepiece:	Extra wide field eyepiece WF10 $\times$ /23 with diopter adjustment
Viewing Head:	Binocular head, inclined at 45°, Interpupillary Distance 55-75mm
Bright & Dark Field Illumination:	Iris diaphragm 2mm-41mm, Bright and dark viewing field illumination are adjustable
Illumination:	8W Fluorescent lamp(6000K) LED Point Light 6V/20W Halogen illumination, lamp can be changed
Focusing:	Focusing range: 125mm, it is suitable for observing different size gem and sample
Gem Clamp:	High quality steel clamp is perfect to hold the gem for observation from all directions
Stage:	There are 1 gem clamp fixing holds at each side
Stand:	Height and angle of viewing head can be adjusted, easy to operate

Optional Objectives (must be purchased separately)

0.75 $\times$ , working distance 105mm

1.5 $\times$ , working distance 47mm

2.0 $\times$ , working distance 33mm



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