

Z-DRIVE STEREO ZOOM MICROSCOPE JBM-PL75

Revolution is the world's first fully motorised and automated JBM-PL75 is the most advanced series of imaging systems for Electronic EMS, PCB Inspection & rework, Production quality, Industrial application, Life science research and offers a new level of usability and application flexibility. Choose from the one-deck system with ergonomic low stage height or the two focus system with additional expansion capabilities.

The JB MICROSCOPE design motorisation concept allows you to choose the automation level depending on your requirements. The fully automatable JBM-PL75 includes a motorised high-precision Z-drive, microscope head is comfort wide angle including PL series eyepiece 10x27mm, Three-position illumination Integrated LED light.





Microscope Head

Viewing three-dimensional with precision imaging techniques, from long term time-lapse imaging and other demanding cutting-edge techniques to routine testing and documentation. Users can mould the components and controls to best suit their workflow.

- 1. 45 ° Tilting Trinocular Observation Head
- 2. Interpupillary Distance Adjustment:52mm-76mm
- 3. Fixed Eyepiece Tube, With Fixed Frame Fixed Magnification.

Microscope Eyepiece

Microscope eyepiece pair enhances microscopic observation, with a PL series 10x magnification and a 27mm field of view, providing clear and detailed imaging for various laboratory applications.



Diopetre Adjustment for clear vision

- 1. lenses are orange multilayer coating for maximum brightness of view field.
- 2. Eyecup rubber simply turn-slide is applied to the wide type eyepiece for comfortable viewing.

Microscope Zooming

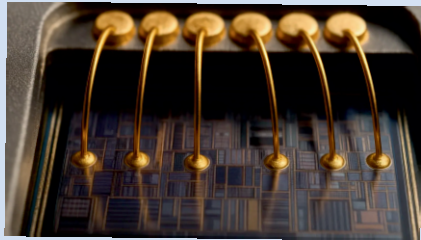
Magnification range 0.75x to 7.5x, five defined steps () high depth of field or see the specimen part over and extended area. Zoom knob

0.75x,1.0x,1.5x,2.0x,2.5x,3.0x,3.5x,4.0x,5.0x,6.0x,7.5x

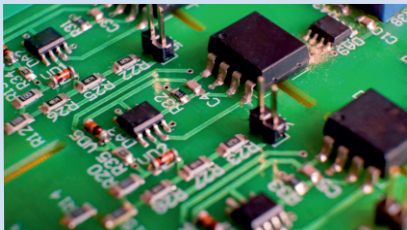


Microscope Objective

The inside of the head of this microscope adopts a unique internal oblique V-shape optical design, and at the same time the build in three layers of optical coated lenses, each layer has been precision grinding to achieve a greater depth of field so that observation image is clear visible.



Chip Bonding



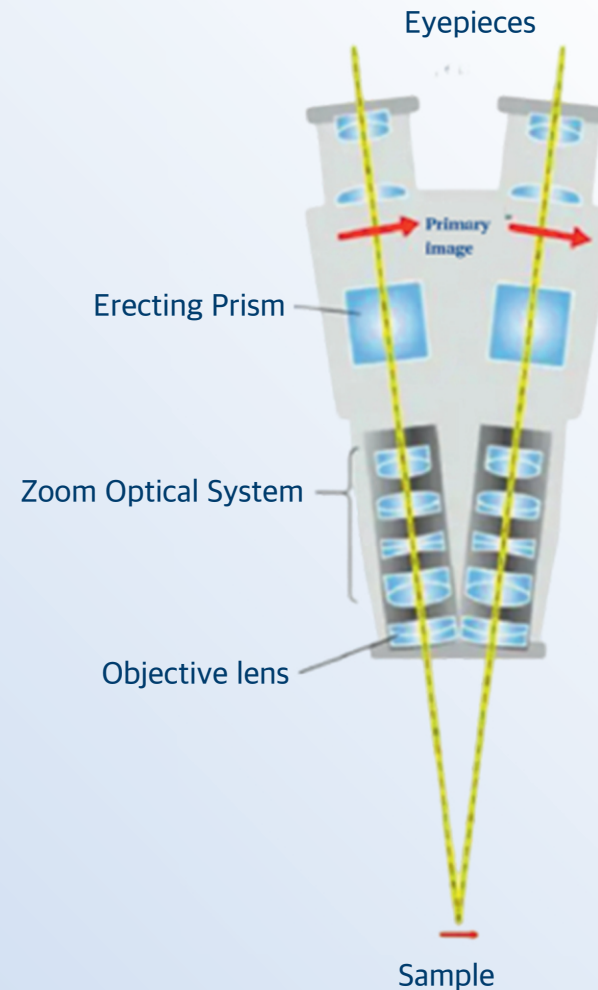
PCB



FPC

PL10X/27mm large field of view adjustable eye piece

0.75-75x Continuously adjustable
Greenough Optical System



Working Distance



100-125mm

The image shows a white and black microscope with two eyepieces. To its right, a vertical double-headed arrow indicates a height range of 100-125mm.

The large working distance 125mm make it easy handle crystals clear imaging show of large work piece of specimens part without losing the field of view. .



Integrated LED Illumination

Three-position illumination Integrated LED light:

1. Brightfield light for focus pattern observation provides bright, shadow-free light that minimizes antiglare and improves image clarity.
2. UV lights focus the objects to be invisible parts of the sample through fluorescence and significantly improves the ability to compare and reproduce resulting images.
3. 3D positioning laser locate the intersection centre point of the microscope simple quickly locate the position of the observed object.



UV LIGHT



White Light

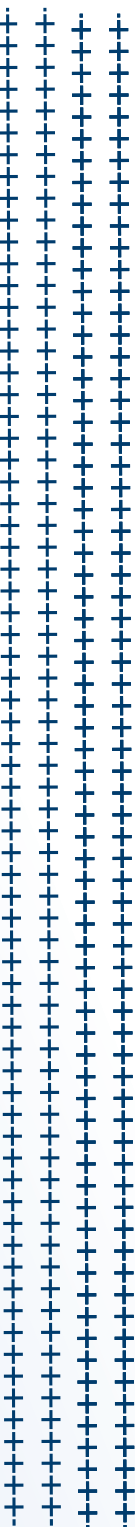


3D laser light

Motorised High-Precision Z- Drive Stereo Microscope

Adjustable height range of
125mm to 170mm

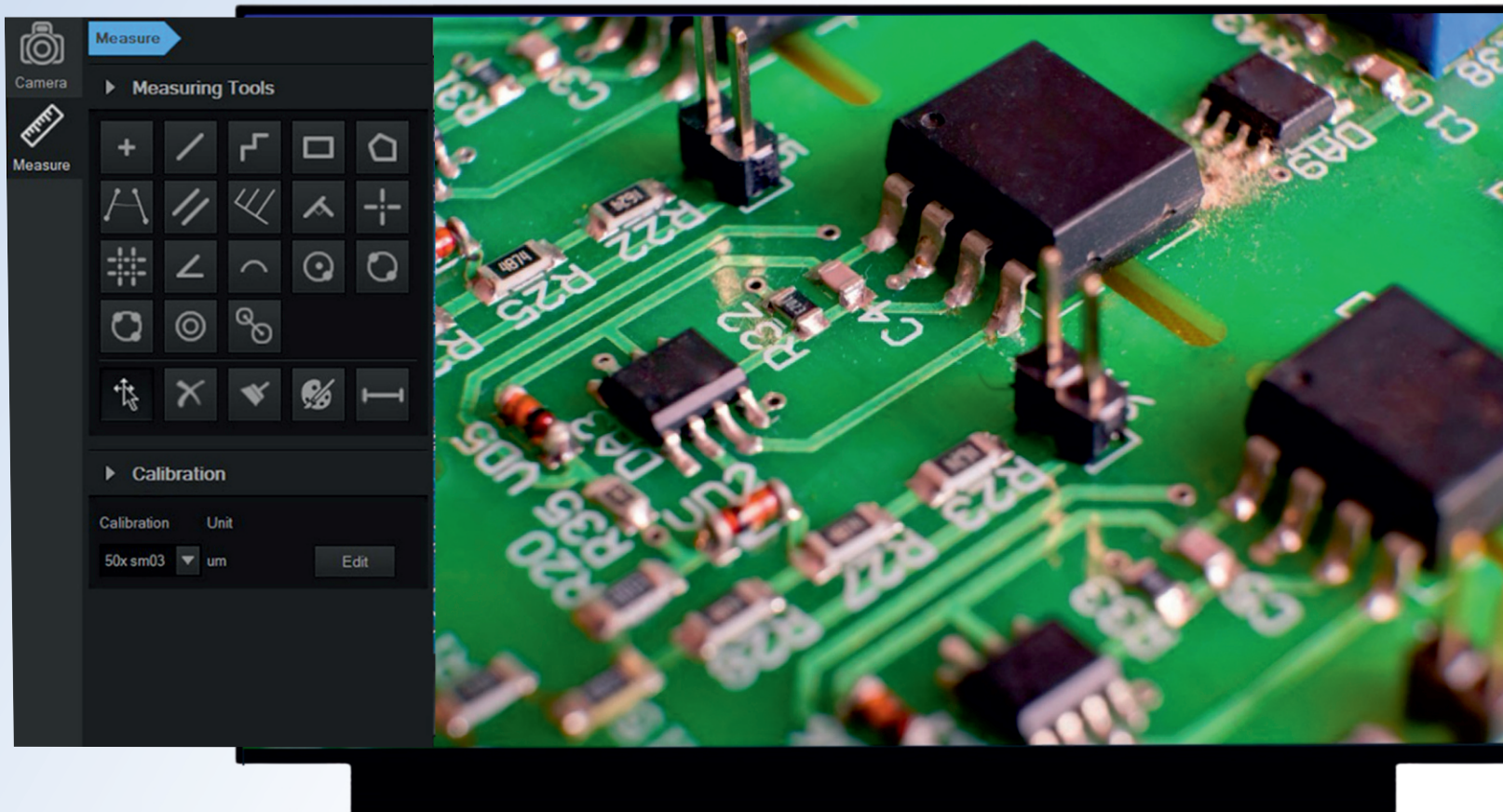
A motorized microscope changes your way of work completely from manual to automated operations enhancing your work efficiency.
The design of a motorized microscope focuses on convenience and ease.



Microscope Software

JB MICROSCOPE provide the imaging software packages enable archiving, analysis of multi stained specimens, automated experiments, imaging, high content screening and more. Basic and integrated solutions are available and JB Microscope specialists will support you in choosing the analysing software according the application.

1. 4K HD resolution screen (14 inch) with inbuilt camera (8MP) all function measuring and annotation tools run directly by connected mouse no need external computer.
2. Operation Interface - Take Picture-record video, preview, digital zoom in/out, freeze, compare images, white expose, measurement & annotation need select the corresponding icon and select the corresponding position according to the requirements to achieve the measurement function.

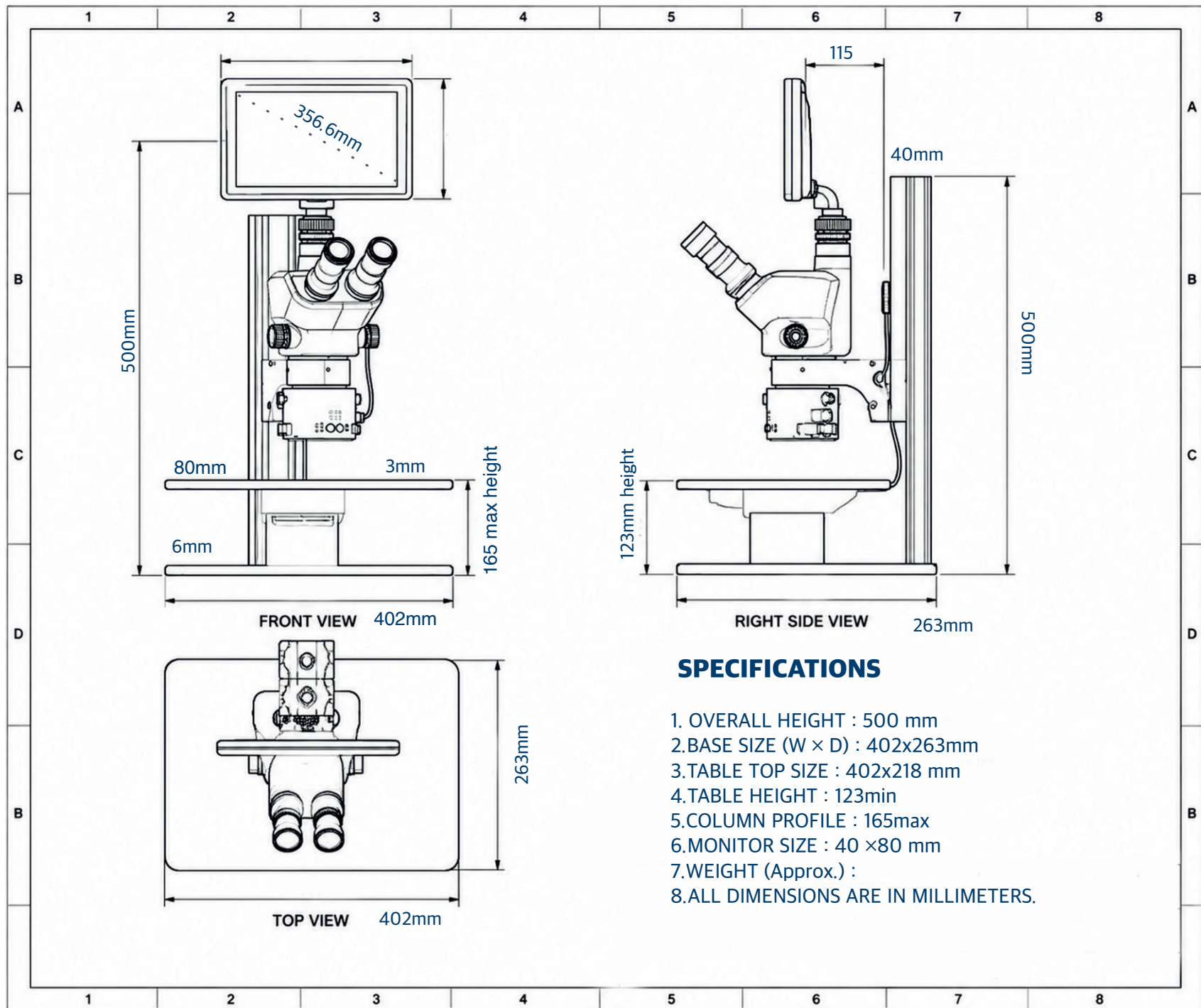


Stability

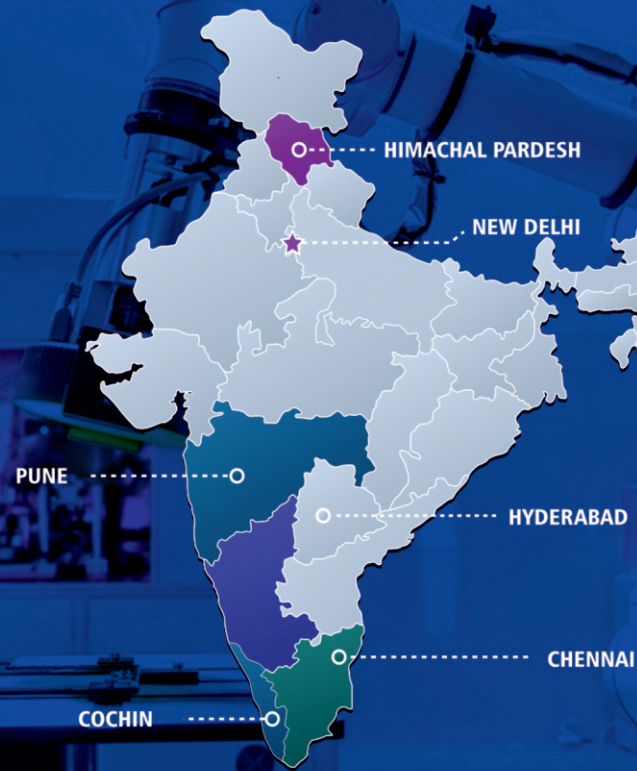
JBM-PL75 Z-drift compensation system uniquely combines a 'one-shot' and 'continuous' mode to keep the focus stable during time-lapse imaging or screening.



Optional Accessories



OUR BRANCHES



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