



## Metallurgical Microscope MMMM-A102

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# Metallurgical Microscope MMMM-A102

Metallurgical Microscope MMMM-A102 with trinocular head offers magnification up to 1000x. Its incident light system with Kohler illumination and an aspherical condenser provides optimal lighting. Equipped with a robust backward quintuple nosepiece and a non-porous double-layer mechanical stage. Designed with smooth and refined focusing system for effortless adjustments. Our microscope features an infinite optical system providing images with superior resolution.

## Features:

Extra-wide field eyepieces

Infinite plan achromatic objectives

Adjustable brightness

Bright field, dark field, and polarization observation

## Applications:

Metallurgical Microscope MMMM-A102 is specifically designed for material analysis in laboratories, industrial, and research settings. It is widely employed in examining metals, alloys, ceramics, semiconductors, and other solid materials to assess microstructure, surface defects, grain boundaries, and coatings.

## Specifications :

|                                |                                                                                                                                                                 |
|--------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Optical System</b>          | Infinite optical system                                                                                                                                         |
| <b>Viewing Head</b>            | Hinged type trinocular viewing head, inclined at 30°                                                                                                            |
| <b>Interpupillary Distance</b> | 48mm to 75mm                                                                                                                                                    |
| <b>Eyepiece</b>                | EW10X/22                                                                                                                                                        |
| <b>Objective</b>               | 10X/0.25/?/- (BF/DF) WD 10.0mm<br>20X/0.4/?/0 (BF/DF) WD 4.30mm<br>5X/0.12/?/- (BF/DF) WD 12mm<br>50X/0.75/?/0 (BF/DF) WD 0.32mm<br>100X/0.8/?/0 (BF/DF) WD 2mm |
| <b>Maximum Sample Height</b>   | 50 mm                                                                                                                                                           |
| <b>Nosepiece</b>               | Backward Quintuple Nosepiece                                                                                                                                    |
| <b>Stage</b>                   | Non-porous double-layer mechanical stage                                                                                                                        |
| <b>Stage Dimension</b>         | 186×138mm                                                                                                                                                       |
| <b>Stage Moving Range</b>      | 74mm×50mm                                                                                                                                                       |
| <b>Focusing</b>                | Coaxial coarse and fine adjustment<br>Fine division 1?m<br>Moving range 30mm                                                                                    |
| <b>Incident Light</b>          | 24V/100W Halogen light<br>Kohler illumination and aspherical condenser<br>Blue, Green, Yellow and Ground glass                                                  |



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