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# **ZMM-200 BTR METALLURGICAL MICROSCOPE**



## Metallurgical Microscope

- Research Level Metallurgical Microscope, Manual, With Reflect, Transmit/Reflect Light
- Manual 6 Holes Nosepiece With NIS45 Infinity Plan Semi-APO BD Objective 5x10x LWD 20x50x100x
- 4" Working Stage, Size 210x170mm, Move Range 102x102mm, With Round Crystal Holder, Wafer Holder Etc.
- Reflect 12V100W Halogen Illuminator, Bright Field, Polarizing, DIC View
- Transmit 12V100W Halogen Kohler Illumination, Auto Adjust Brightness, ECO Function

### Specifications

### ZMM-200 BTR

Optical System	NIS45 Infinite Optical System
Observation Method	Bright Field Dark Field Polarizing DIC
Main Body	BH Manual Body + Halogen Illumination.
Head	Ergo Tilting Trinocular Head, Inclination 0°~35°, Interpupillary Distance 47-78mm, 3 Level Light Split Switch E100:P0/E20:P80/E0:P100
Eyepiece	SW10x/25mm, High Eyepoint, Diopter Adjustable, Dia.30mm
Nosepiece	-Manual Nosepiece, Sextuple, Backward -With Slot For Polarizing Compensator Slider Or DIC Slider -Protect Cover For Nosepiece Holes

NIS45 N-MPFN	BD 5x/0.15, W.D.20mm, No Cover Glass
Infinity Plan	BD 10x/0.3, W.D.11mm, No Cover Glass
BF/DF Semi-APO	BD LWD 20x/0.4, W.D.12mm, No Cover Glass
Metallurgical Objective	BD LWD 50x/0.5, W.D.10.6mm, No Cover Glass BD LWD 100x/0.8, W.D.3.5mm, No Cover Glass
Working Stage For Metallurgical Microscope	-4" Working Stage, Size 210x170mm, Move Range 4"x4" (102x102mm), Right Handle Optional, Hard Oxide Surface, Y Can Be Locked -Round Crystal Holder, For 2",3",4"Diameter Crystal -Wafer Holder -Glass Substrate, Size 145(X)x152(Y)mm -Metal Stage Plate, Size 145(X)x152(Y)mm
Condenser	LWD Condenser, N.A.0.65, W.D.10.2mm, Center Adjustable, Dual Condenser Lifting Handle
Focusing	-Coaxial Coarse & Fine Focusing, Fine Division 0.001mm, Focusing Range 35mm, Coarse Stroke 37.7mm, Fine Stroke 0.1mm,Can Exchange Hand Wheel Between Left/Right, -Max Sample Space 56mm
Reflect Light Source	-Reflect Epi Metallurgical Illuminator, Turret Disc With 6 Positions For Filter Block, Kohler Illumination -12V100W Halogen Lamp Housing -BF/DF View Block -BF1 View Block -BF2 View Block
Filter For Reflect	Filter Blue Filter Green Filter Yellow Filter Forested
Polarizing	Polarizer For Reflect Light Source Analyzer For Reflect Light Source
DIC	Blank Slider Nomarski DIC Slider For Reflect Light Source
Transmit Light Source	-Transmit Kohler Illumination, Brightness Adjustable, 12V100W Halogen, External Lamp House -ECO Function Support Auto Power Off After 30 Mins From Operator Leave To Save Energy
Filter For Transmit Light Source	Filter Holder On Base, Can Hold 3 Filters Filter LBD Filter Green Filter Yellow Filter ND6 Filter ND25
Other Accessories	Working Stage Holder Bracket Allen Wrench Power Cord

# Optional Accessories

## Specifications

## ZMM-200 BTR

<b>Main Body</b>	BL Manual Body + LED Illumination.
<b>Head</b>	-Seidentopf Binocular Head, Inclined 30°, Interpupillary Distance 47-78mm -Seidentopf Trinocular Head, Inclined 30°, Interpupillary Distance 47-78mm, 3 Level Light Split Switch E100:P0/E20:P80/E0:P100
<b>Eyepiece</b>	SW10x/22mm, High Eyepoint, Diopter Adjustable, Dia.30mm EW12.5x/16mm, High Eyepoint WF15x/16mm, High Eyepoint, Diopter Adjustable, Dia.30mm WF20x/12mm, High Eyepoint, Diopter Adjustable, Dia.30mm
<b>Nosepiece</b>	Coded Nosepiece, Sextuple, Backward, For Auto Brightness Adjust
<b>NIS45 N-MPFN Infinity Plan BF/DF Semi-APO Metallurgical Objective</b>	BD 20x/0.45, W.D.3mm, No Cover Glass
<b>NIS45 BF/DF APO</b>	BD 50x/0.8, W.D.1mm, No Cover Glass BD 100x/0.9, W.D.1mm, No Cover Glass
<b>Working Stage For Metallurgical Microscope</b>	4" Working Stage, Size 210x170mm, Move Range 4"x4" (102x102mm), Left Handle, Hard Oxide Surface, Y Can Be Locked
<b>Transmit Light Source</b>	-Transmit Kohler Illumination, Brightness Adjustable, 3W S-LED, Built-in Main Body -Auto Brightness Adjust, Brightness For Each Objective Can Be Memorized And Restored When Objective Is Selected
<b>Adapter</b>	Eyepiece Adapter Dia.23.2mm C-Mount 1.0x C-Mount 0.5x
<b>Software</b>	NOMIS Basic Image Processing Software
<b>Other Accessories</b>	Adapter To Adjust Eye Position Adapter To Lower The Stage Position 1" Immersion Oil Short Eye Cover, For Eyepiece Long Eye Cover, For Eyepiece Eyepiece Micrometer, Cross Adapter Ring To Install Eyepiece Micrometer USB Cable