



# AE2000MET

Trinocular | 50W | LM objectives

Motic's new AE2000MET inverted metallurgical microscope is the ideal instrument for inspection and analysis of materials, minerals, die casting parts and precision molds. This microscope meets all metallurgical applications for educational, industrial and scientific research analysis

<b>Model</b>	AE2000MET Trinocular 50W (with LM objectives)
<b>Optical System</b>	Colour Corrected Infinity Optical System (CCIS®)
<b>Observation tube</b>	Trinocular head, Siedentopf type, 360° swiveling
<b>Interpupillary distance</b>	48-75mm
<b>Trinocular light split</b>	100:0/20:80
<b>Inclination</b>	45° inclined
<b>Eyepieces</b>	N-WF10X/20mm with diopter adjustment, +/- 5 diopter
<b>Nosepiece</b>	Side facing quintuple revolving nosepiece
<b>Objective classification</b>	Infinity Corrected CCIS LM Plan Achromat, DIN
<b>Objectives</b>	5X/0.13 (WD 20.3mm), 10X/0.25 (WD 17.5mm), 20X/0.40 (WD 8.1mm), 50X/0.55 (WD 8.4mm)
<b>Objective mounting thread</b>	M32 with adapters to W 4/5" x 1/36" (RMS standard)
<b>Stage</b>	Hard coated, low position coaxial mechanical stage with round and oval stage inserts
<b>Stage size</b>	280x192mm
<b>Mechanical stage X&amp;Y range</b>	50x50mm
<b>Focus mechanism</b>	Coaxial coarse and fine focusing system with tension adjustment
<b>Fine Focus precision</b>	2 µm minimum increment
<b>Z-axis movement</b>	10mm
<b>Illumination</b>	External lamphouse, 12V/50W Quartz Halogen Koehler illumination with intensity control
<b>Light features</b>	Sleeping mode
<b>Transformer</b>	External
<b>Power supply</b>	100-240V (CE)
<b>Accessories included</b>	Blue filter, Allen hexagonal key, vinyl dust cover and power cord
<b>Dimensions</b>	673x280x345mm
<b>Weight</b>	13Kg