

**EXAMET-4  
Microscope Series**



## Advanced Semi-Apochromatic M Infinity Plan Optics & Ergonomic Design

UNITRON's newly designed EXAMET-4 is a new industrial metallurgical microscope designed for production lines, material science applications, metal manufacturing, metallurgy, and a variety of other samples.

The advanced Semi-Apochromatic M Infinity Plan Optics, ergonomic design, and digital capabilities make the EXAMET-4 Series an outstanding and cost effective choice for today's modern metallurgist. The EXAMET-4 Series is available with either reflected illumination or with reflected and transmitted illumination.

### Standard Specifications

- Trinocular viewing head with 20/80 split (light distribution 100% binocular, binocular/trinocular 20%/80%)
- Viewing heads are inclined 30° and rotatable 360°
- Interpupillary distance adjustment range of 54mm — 75mm
- High eyepoint widefield plan 10x eyepieces with a 22mm field of view
- Reversed quintuple nosepiece
- Long working distance M Infinity Plan Achromat 5x, 10x and 20x objectives
- Long working distance M Infinity Semi-Plan Apochromat 50x objective
- Low position coaxial focusing system with tension adjustment
- Mechanical Stage: 175mm x 145mm with a 76mm (X) x 42mm (Y) movement range
- On Reflected models, specimens of a height of up to 50mm can be observed
- On Reflected/Transmitted models, specimens of a height of up to 30mm can be observed
- 3 watt variable LED reflected illuminator with field and aperture diaphragm
- On the Reflected/Transmitted models, 12 volt 50 watt halogen transmitted illuminator with field diaphragm
- Universal power supply (90v-240v)

### Optional Accessories

- Digital cameras and c-mount adapters
- M Infinity Semi-Plan Apochromat 100xR objective
- Plan 15x/16mm or WF20x/12mm eyepieces
- Polarizer and Analyzer
- Yellow, blue, green, red or neutral density filters
- Reticles and stage micrometers

### Optical Data

Magnification	N.A.	Working Distance (mm)	Coverslip Thickness
5x	0.15	20.5	0
10x	0.30	10	0
20x	0.45	4	0
50xR	0.55	7.8	0
100xR	0.8	2.1	0



Cat #14250  
Reflected  
(Shown with camera)



Cat #14251  
Reflected & Transmitted

**ISO 9001**  
Certification  
Design and production adheres to ISO9001 international quality standard.



**ISO 14001**  
Certification  
Design and production meets the requirements of international standard ISO 14001 for environmental management.