

# MEC4 Inverted Microscope

UNITRON®

- Compact, ergonomic design for easy, durable use for observation of metallurgical samples, electronic components, and metal parts
- Suitable for brightfield & simple polarization observation

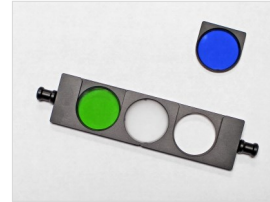


EXCELLENCE BY DESIGN

# MEC4 Inverted Microscope

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- Fixed stage design and attachable mechanical stage provide stable control even with heavy samples
- UNITRON's new Infinity M Plan Achromat LWD objectives provide bright, high resolution images with improved contrast and high N.A. values
- 5 watt LED reflected light illuminator with a condenser



## SPECIFICATIONS

<b>Optical System</b>	UNITRON Infinity M Plan Achromat LWD 5x, 10x, 20xR and semi-apo 50x objectives <i>Optional 100x dry objective is available</i>
<b>Observation Method</b>	Brightfield and simple polarizer/analyzer 360° rotating; blue, green and frosted filters
<b>Focusing</b>	Vertical action movement revolving nosepiece (fixed stage); coaxial coarse and fine adjustment
<b>Nosepiece</b>	Quintuple revolving nosepiece
<b>Stage</b>	<b>Plain stage:</b> 160mm(W) x 250mm (L), includes $\varnothing$ 12mm and $\varnothing$ 25mm aperture teardrop stage insert plates <b>Mechanical stage:</b> travel range 120mm (X) 78mm (Y); the mechanical stage is standard on each complete unit; coaxial handle attachable to right side; includes $\varnothing$ 12mm and $\varnothing$ 25mm aperture teardrop rectangular stage plates <b>Stage extender plate:</b> 70mm X 180mm
<b>Illuminator</b>	5 watt variable LED illuminator, built-in lever type condenser, field and aperture diaphragms filter slider for blue, green and frosted filters
<b>Eyepieces</b>	WF10x/22mm focusing eyepieces with roll-down eyeguards
<b>Viewing Head</b>	45° inclined trinocular viewing head with 54-75mm interpupillary adjustment
<b>Imaging Port</b>	100% binocular or 20% binocular / 80% camera
<b>Dimensions &amp; Weight</b>	300 x 650 x 437.5mm (w x d x h) with mechanical stage; weight: 23 lbs.
<b>Accessories</b>	<i>Excelis HD, Lumenera®, and Micrometrics® cameras with measurement and materials software</i> C-mount adapters with 0.35x, 0.50x, 0.65x high resolution, 1.0 x high resolution, and photo tube Reticles: crossline, grid, Austenite grain size and custom patterns are available Stage micrometers, Metric (mm) and English (inches) with NIST traceability are available

CAT #	Magnification	N.A.	Working Distance (mm)
146-15-05	5x	0.15	10.8
146-15-10	10x	0.30	10
146-15-20	20x	0.45	4
146-15-50	50x	0.55	7.9
146-15-100	100x	0.80	2.1

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



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

**UNITRON®**

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