

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

Optical System	UNITRON Infinity M Plan Achromat LWD 5x, 10x, 20xR and semi-apo 50x objectives <i>Optional 100x dry objective is available</i>
Observation Method	Brightfield and simple polarizer/analyzer 360° rotating; blue, green and frosted filters
Focusing	Vertical action movement revolving nosepiece (fixed stage); coaxial coarse and fine adjustment
Nosepiece	Quintuple revolving nosepiece
Stage	Plain stage: 160mm(W) x 250mm (L), includes Ø12mm and Ø25mm aperture teardrop stage insert plates Mechanical stage: travel range 120mm (X) 78mm (Y); the mechanical stage is standard on each complete unit; coaxial handle attachable to right side; includes Ø12mm and Ø25mm aperture teardrop rectangular stage plates Stage extender plate: 70mm X 180mm
Illuminator	5 watt variable LED illuminator, built-in lever type condenser, field and aperture diaphragms filter slider for blue, green and frosted filters
Eyepieces	WF10x/22mm focusing eyepieces with roll-down eyeguards
Viewing Head	45° inclined trinocular viewing head with 54-75mm interpupillary adjustment
Imaging Port	100% binocular or 20% binocular / 80% camera
Dimensions & Weight	300 x 650 x 437.5mm (w x d x h) with mechanical stage; weight: 23 lbs.
Accessories	<i>Excelis HD, Lumenera®, and Micrometrics® cameras with measurement and materials software</i> C-mount adapters with 0.35x, 0.50x, 0.65x, 1.0 x, 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®

73 Mall Drive • Commack, NY 11725 • 631-543-2000 (P) • 631-589-6975 (F)
email: info@unitronusa.com • www.unitronusa.com

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