

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 *

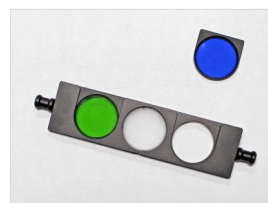


EXCELLENCE BY DESIGN

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.

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Company

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V.052317