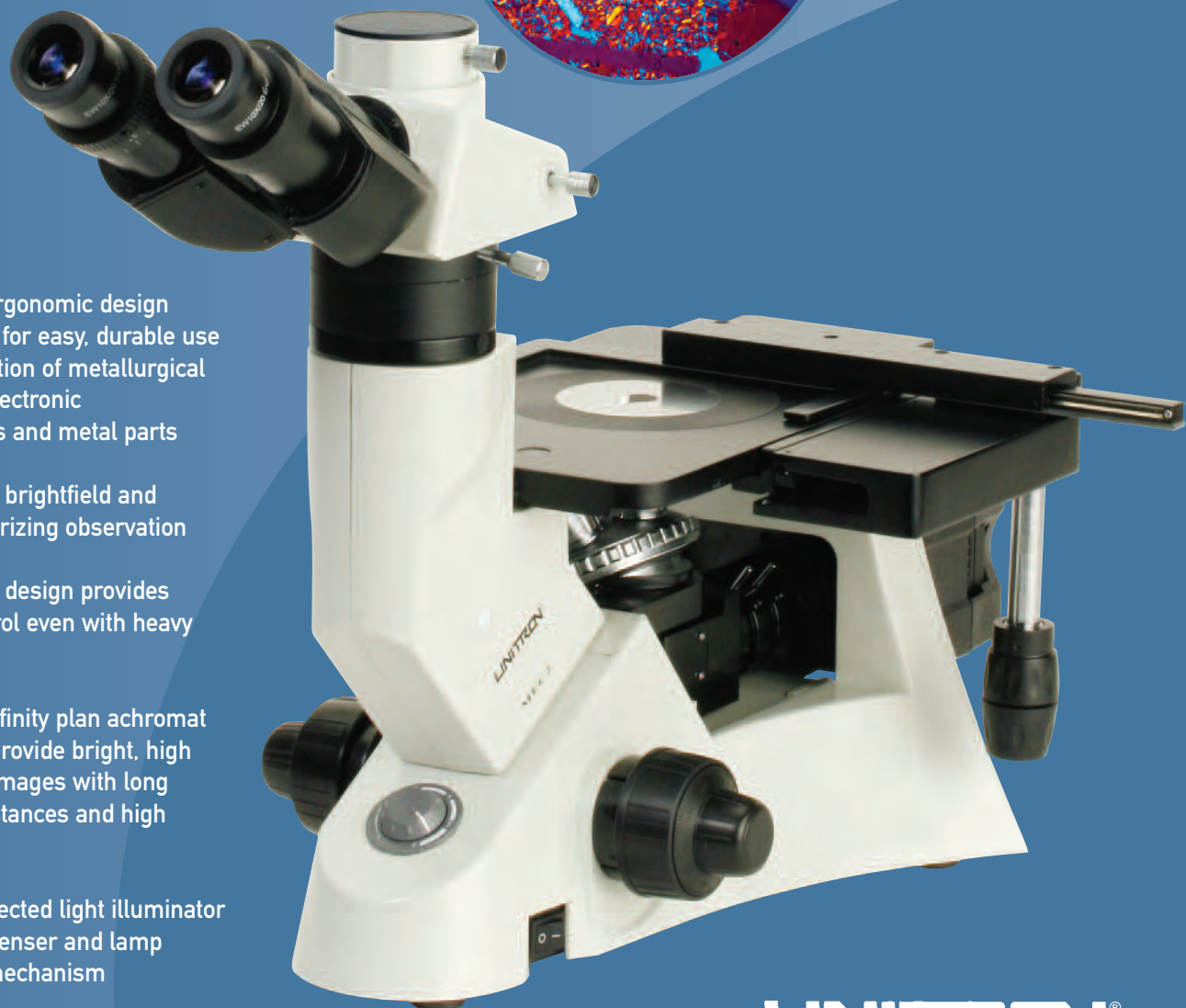


MEC2 Inverted Metallurgical Microscope

- Compact, ergonomic design engineered for easy, durable use for observation of metallurgical samples, electronic components and metal parts
- Suitable for brightfield and simple polarizing observation
- Fixed stage design provides stable control even with heavy samples
- Unitron's infinity plan achromat objectives provide bright, high resolution images with long working distances and high NA values
- 6V 30W reflected light illuminator with a condenser and lamp centering mechanism
- Each MEC2 is supplied with a trinocular viewing head and photo tube.



Digital Imaging Systems Make Documentation Easier Than Ever Before

Micrometrics® cameras and image analysis software with an integrated database is a user friendly tool for image archiving, measurement, annotation, advanced image processing, fluorescence image composition, multi-focus composition and spherical aberration correction.

One Click Does It All

With Micrometrics® software the user can capture and save an image including the microscope and camera settings, sample and measurement information. Using the integrated database all of the information is linked to the image and can be recalled with one click.



MEC2 SPECIFICATIONS - Cat# 14901

Optical System	Unitron infinity plan achromat 5x, 10x, 20x and 40x objectives. Optional 50x, 80x and 100x dry objectives.
Observation Method	Brightfield and simple polarizing.
Focusing	Vertical action movement revolving nosepiece (fixed stage). Coaxial coarse and fine adjustment. Coarse stroke 37.7mm per rotation with fine stroke 0.2mm per rotation.
Nosepiece	Quintuple revolving nosepiece.
Stage	Plain stage: 160 x 250 mm, includes Ø10mm, Ø15mm, Ø20mm aperture teardrop stage insert plates. Mechanical stage: Attachable type, dimensions 128 x 86 mm Stroke: 120mm (X) 78mm (Y). The mechanical stage is standard on each complete unit. Coaxial handle: Attachable to right or left side; Stage extender plates dimensions 70 x 180 mm.
Illuminator	6 volt 30 watt halogen illuminator with lamp centering mechanism, built-in lever type condenser and aperture diaphragm with filter slot for blue, yellow, green and frosted filters.
Eyepieces	WF10x/20mm focusing eyepieces with rubber eyeguard. Eyepieces accept 26mm reticles.
Viewing Head	30° inclined trinocular head with 48-75mm interpupillary adjustment. An optional ergonomic tilting binocular head is available.
Dimensions & Weight	247 x 315 x 409 mm (w x d x h), Weight approx. 9 kg/21 lbs.
Accessories	Micrometrics® cameras with measurement and materials software. Analog color and black and white C-mount cameras. Video CCTV adapters with 0.38X, 0.50X, 0.67X and 1X magnifications. Reticles: Grain size, crossline, grid, austenite and custom patterns are available. Stage micrometers with NIST traceability are available.

Unitron Infinity Plan Achromat Objectives

Cat. No.	Magnification	NA	WD
149-15-04	4x	0.10	18.0mm
149-15-05	5x	0.12	15.4mm
149-15-10	10x	0.25	11.0mm
149-15-20	20x	0.40	6.0mm
149-15-40	40x	0.60	3.7mm
149-15-80	80x	0.90	0.2mm

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