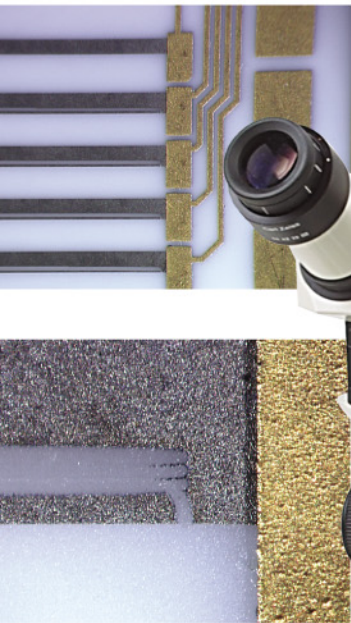


New M² Mat For Materials Analysis



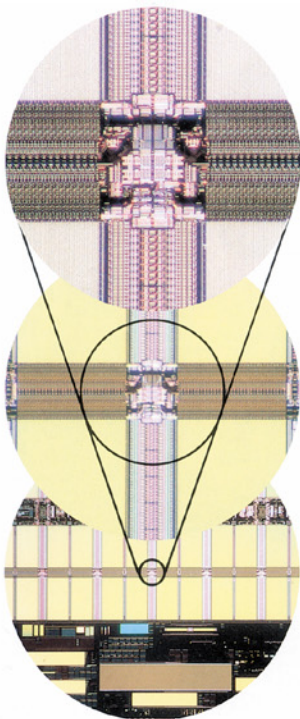
- Combines stereoscopic 3D & compound 2D optics in one instrument
- Stereo magnification range (10x - 150x)
- Compound optics magnification range (40x - 650x)
- Free working distances exceed 30 mm with the high magnification optics
- Visual fields 21 mm - 220 microns
- Par center & par focal optics for easy sample location
- Unique nosepiece holds 1 stereo & 2 high power objectives
- Built in coaxial illuminator & oblique fiber optics make Brightfield & Darkfield examinations possible
- Optional DIC available (Zeiss part #9108384079)

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M² MAT microscope brings an exciting new dimension to materials microscopy.



Designed in collaboration with Kramer Scientific, the M² MAT uniquely combines stereo macro & compound micro imaging capabilities in one microscope. This ability to combine the ergonomics of stereo observation and high-resolution microscopic observation in a single microscope offers enormous improvements in time management for the materials professional, whether it be in Research and Development labs, Failure Analysis or Quality Assurance departments in the manufacturing sector. Now you can sort through a number of samples and then pivot the objective system to high magnification for detailed observation. No need to move your sample to another microscope!

If you work with large numbers of small samples, such as looking at tiny connections on circuit boards or defects or in-homogeneities in ceramic, glass, metal or plastics, the M² MAT is the right choice for you. Other applications include: geology, automotive, textile, fiber optic, microelectronic/MEMS, failure analysis, corrosion studies, fitting & connections, and composite materials.

Optional equipment:

- Transmitted Light Combizoom Package
- 8" x 8" stage with large travel adapted to transmitted light base of Combizoom
- Nosepiece upgrade with 2 stereo and 1 compound positions (instead of 2 compound and 1 stereo)

Technical Specifications for M² Mat Microscope

	Stereo Mode Zoom Range 11:1		Micro Mode with PL APO:			
	1.6X	2.5X	2X	5X	10X	20X
Magnification Range	6X - 66X	9X - 100X	60X - 65X	15X - 162.5	30X - 325X	60X - 650X
Numerical Aperture	0.136	0.213	0.055	0.14	0.45	0.42
Free Working Distance	49 mm	27 mm	34 mm	4 mm	20 mm	20 mm

