

# Automate Your Microscope

**MEIJI TECHNO AMERICA MICROSCOPES ARE NOW COMPATIBLE WITH PRIOR AUTOMATED COMPONENTS.**

**MEIJI TECHNO AMERICA** is pleased to announce the collaboration with **PRIOR SCIENTIFIC** to supply economical OptiScan motorized microscope stages and accessories for Meiji Techno America's

## Life Science & Industrial Applications:

- Live Cell Imaging
- Image Acquisition and Scanning
- Stereology
- Fluorescence Microscopy
- Deconvolution
- Particle Counting
- Metallurgical Applications



## Software Integration:

Compatible with most modern software packages. See Prior.com for a detailed list of compatible software programs.

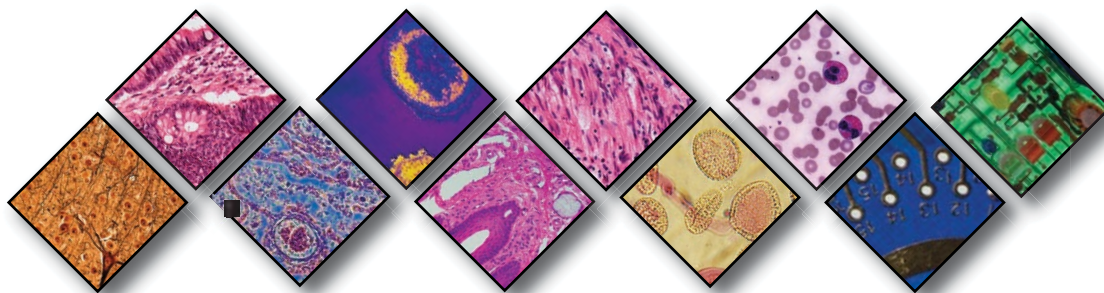
## Compatibility Information - Automated Focus Drive

Meiji Microscope	Focus -Non Encoded	Focus -Encoded 50nm	Fluorescence Illumination
MT4000	X (PR-ES101ZEMJ)	X (PR-ES101ZEKMJ)	NA
MT5000	X (PR-ES101ZEMJ)	X (PR-ES101ZEKMJ)	NA
MT6000	X (PR-ES101ZEMJ)	X (PR-ES101ZEKMJ)	X
MT7000	X (PR-ES101ZEMJ)	X (PR-ES101ZEKMJ)	N/A
MT7500	X (PR-ES101ZEMJ)	X (PR-ES101ZEKMJ)	N/A
MT8000	X (PR-ES101ZEMJ)	X (PR-ES101ZEKMJ)	N/A
MT8500	X (PR-ES101ZEMJ)	X (PR-ES101ZEKMJ)	N/A

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## WITH ECONOMICAL SOLUTIONS



### MOTORIZED STAGES

With the full co-operation of Meiji Techno America & Prior Engineers and designers, Prior's motorized stage systems have been configured to operate with Meiji's range of inverted and upright microscopes creating a versatile and affordable microscope automation solution for a variety of applications.

### MOTORIZED FOCUS CONTROL

Meiji microscopes can be retro-fitted with a motorized focus option, the standard motorized focus control provides step sizes as small as  $0.002\mu\text{m}$  and provides excellent resolution for precise focus and repeatable positioning in the Z-axis. For large movements when speed is required, the ProScan™ focus motor can be driven at speeds of up to 20 revs/s.



### FULLY CONFIGURABLE CONTROLLERS

Prior's controllers are an ideal solution for routine applications requiring an affordable solution of quality and reliability, and is compatible with the world's leading image analysis software programs. Motorized stages, focusing mechanisms, filter wheels and shutters can be combined to match your specific needs, providing unmatched flexibility and a simple path to future upgrades.



### FLUORESCENCE ILLUMINATION SYSTEMS

Meiji Techno America microscopes are now compatible with the Lumen 200 Fluorescence Illumination Systems. The Lumen systems are a powerful, cost effective alternative to standard 100 Watt mercury and halogen



lamps. The combination of Prior's proprietary 2,000 hour life, 200 watt metal arc lamp and two or three meter liquid light guide provide unrivalled versatility and illumination power.

### Z ENCODER PROBE

Prior's probe style encoder feedback system provides the highest accuracy (0.2 microns) available for your motorized focus system. The Z scale probe system includes encoder feedback electronics for the controller, an encoder probe with controller interface cable and a universal mounting bracket kit.

