

# SORCERER

## Automatic Sample Stepping Stage

### *Introduction*

Many Image Analysis applications require a large number of fields of view to be scanned in order to generate statistically valid sample data.

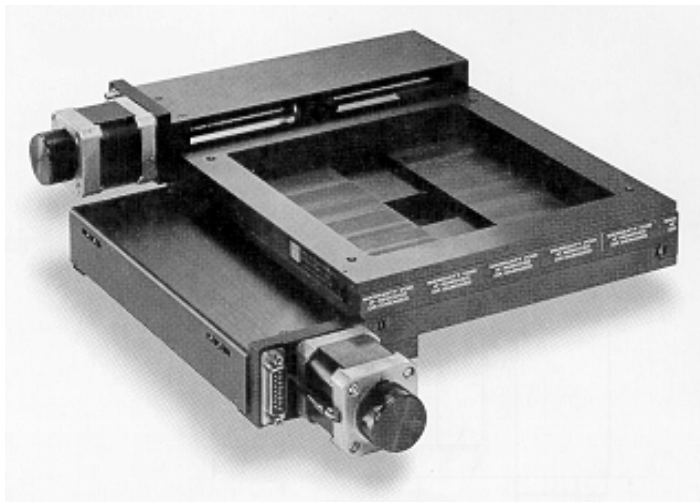
A digital stepping motor driven sample stage and controller is available for the Sorcerer Image Analysis system to automate sample movement on a Microscope or Macroviewer.

### *Operation*

The stage and controller are integrated with the Sorcerer IA program. Stage scan patterns are set up to move the sample under the video camera / optics to analyze a specified sample area.

Example scan patterns:

100 abutting fields on a 2" x 3" microscope slide.  
200 random fields on a Paper Industry 'handsheet'.  
Sequential imaging of all wells in 6, 12, 24, 48 or 96 well plates.



### *Specifications*

#### *Stage:*

X, Y travel	6" x 6"
Basic step	5 um
Repeatability	.0005"
Steps / revolution	200
Weight	10.5 lbs.
Moving weight	1.5 lbs.
Motor type	17 frame, 15 oz inch, 1.8°
Limit switches	Hall effect

#### *Controller:*

Type	Dual axis
AC Power input	115 – 230 v 50 – 60 Hz
Communication port	RS-422
Max motor drive current	2.8 Amps / phase
Non-volatile memory	2K
Scan pattern modes	Raster, Snake & Teach

#### *Support brackets:*

Standard for Optomax Macroviewer  
Custom support brackets available for various microscope types.

Stage built by New England Affiliated Technologies.  
Controller built by Advanced Micro Systems.

#### *Warranty:*

One year full on stage and controller.

# Optomax

*Image Analysis Products for Science & Industry*

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