

# Z-Axis Piezo Nanopositioners

## Features

- ▶ *Compatible with many microscope stages*
- ▶ *Fully removeable from microscope*
- ▶ *Low profile designs*
- ▶ *Compatible with slides, petri dishes, multi-well plates and selected incubators*
- ▶ *Analog or digital USB control*
- ▶ *3rd party software compatible*
- ▶ *Sample holders available*



## Compatible Software Packages



Examples, tutorial,  
and Mad City Labs  
Nano-Route<sup>®</sup> 3D  
motion control software



## Advantages

- ▶ *Smooth, continuous z-axis motion*
- ▶ *Repeatable motion with nanometer precision*
- ▶ *Closed loop flexure guided motion*
- ▶ *Moves the sample, not the objective lens*
- ▶ *High resolution and stability*



Sample holders for 35mm petri dishes and 75mm slides

## Typical Applications

- ▶ *Super resolution microscopy*
- ▶ *High content imaging*
- ▶ *Confocal Microscopy*

Model Name \ Features	Travel range (µm)	75mm slides	35mm petri	multi-well plates	incubator compatibility	Stage compatibility
Nano-Z100	100	•	•		•	Mad City Labs MicroStages
Nano-Z200	200	•	•		•	Mad City Labs MicroStages
Nano-ZL100	100	•	•	•	•	Mad City Labs MicroStages
Nano-ZL500	500	•	•	•	•	Mad City Labs MicroStages
Nano-Z100-PS	100	•	•		•	Prior Scientific H107/H117/HLD117
Nano-Z200-PS	200	•	•		•	Prior Scientific H107/H117/HLD117
PSZ200-S*	200	•	•	•	•	Prior Scientific H117/HLD117
PSZ400-S*	400	•	•	•	•	Prior Scientific H117/HLD117
PSZ200-U*	200	•				Prior Scientific H101F
Nano-Z200-OSSU†	200	•	•	•	•	Olympus IX3-SSU/SVR/SVL
Nano-ZL100-OSSU†	100	•	•	•	•	Olympus IX3-SSU/SVR/SVL
Nano-ZL400-OSSU†	400	•	•	•	•	Olympus IX3-SSU/SVR/SVL
Nano-Z100-N2	100	•	•	•	•	Available exclusively through Nikon Instruments
Nano-Z200-N2	200	•	•	•	•	
Nano-Z500-N2	500	•	•	•	•	
Nano-Z100-M	100	•	•		•	Marzhauser Scan IM
Nano-Z200-M	200	•	•		•	Marzhauser Scan IM
Nano-ZL300-M	300	•	•	•	•	Marzhauser Scan IM
PSZ100-ZM*	100	•	•	•	•	Marzhauser Scan IM
Nano-Z100-LA	100	•	•		•	Ludl BioPrecision, ASI MS2000
Nano-Z200-LA	200	•	•		•	Ludl BioPrecision, ASI MS2000

\* Models previously sold by Prior Scientific

† Models also available from Olympus

*Z-axis piezo nanopositioners can be custom modified.  
Please call or email for more information on custom modifications.*