



Updated SPM-M Kit with Full Line of Accessories

October 2015

The Mad City Labs **SPM-M Kit** is the most affordable high resolution, closed loop AFM on the market. Now it is available with a **full line of accessories** for seamless instrument configuration, as shown to the right.

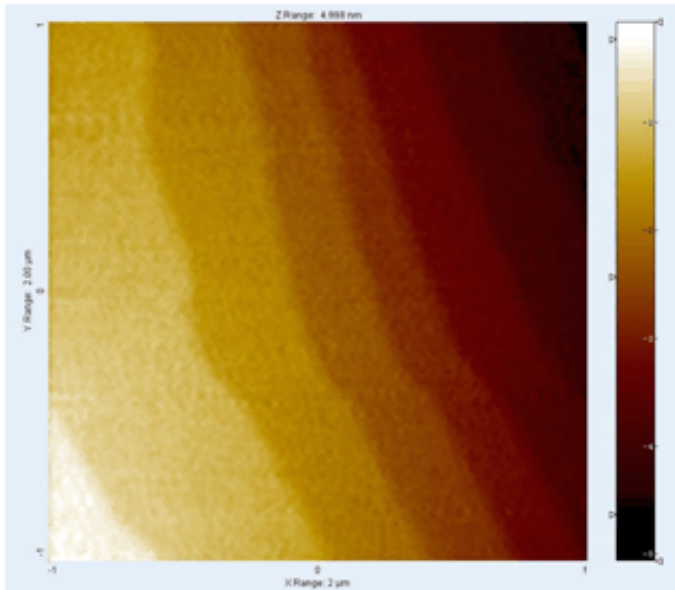
- double insulated enclosure (not shown)
- video optical microscope
- coaxial illuminator
- base plate for easy attachment to an optical table
- updated Tungsten tip etching station (not shown)

Packages starting at
\$31,552 USD



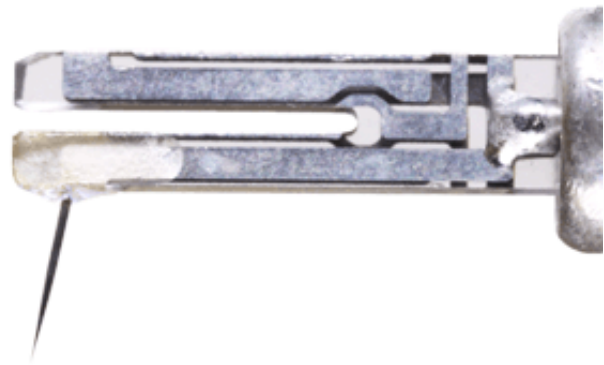
MadPLL[®] has new additional features at the same low price!

- Reduced thermal drift
- Two analog inputs added to the front panel for applications with auxiliary measurement such as NSOM
- Higher resolution probe DDS for increased probe precision and accuracy
- Z loop output is now compatible with AR option Nano-Drive[®] controllers (by request)



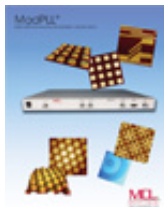
312 pm Si (111) atomic steps measured by a Mad City Labs AFM with MadPLL®.

The data above were taken with a Tungsten tipped tuning fork. Mad City Labs offers **quartz crystal tuning forks** for scanning probe microscopy applications such as atomic force microscopy (AFM) and near-field scanning optical microscopy (NSOM). Each tuning fork has two electrical leads for connection to a driving oscillator such as the Mad City Labs **MadPLL®** instant AFM and nanoprobe instrumentation. Our tuning forks are shipped to you conveniently ready to use - "out of the can" - with the typical cylindrical housing removed. Available in two sizes: medium and large.



Tuning fork with attached etched Tungsten tip.

MadPLL® Brochure



Laser Focus World Article



"NANOPOSITIONING: Piezoelectric nanopositioners forge low-cost atomic force microscope"

