

# SOLVER Nano

*Advanced features and capabilities for scientific research*

## Affordable AFM/STM system

- Atomic resolution
- More than 30 AFM/STM modes
- Wide range of nanolithography techniques
- New digital controller
- Closed-loop scanner
- Easy adjustments
- Data sharing via iPhone™ and iPad™

iPhone™, iPad™ are (registered) trademarks of Apple Inc.



NT-MDT is proudly represented in  
Australia and New Zealand by  
AXT Pty. Ltd.  
1/3 Vuko Pl., Warriewood  
NSW 2102 Australia  
T. +61 (0)2 9450 1359 F. +61 (0)2 9450 1365  
W. [www.axt.com.au](http://www.axt.com.au) E. [info@axt.com.au](mailto:info@axt.com.au)

The image is a false-color scanning tunneling microscopy (STM) scan of a graphite surface. The color scale ranges from dark purple (low intensity) to bright pink (high intensity). A prominent, bright, diagonal line runs from the upper left towards the lower right. The background is composed of various shades of purple and pink, with some darker, more irregular regions that could represent defects or different crystal orientations. The overall texture is somewhat grainy, typical of STM data.

STM image of graphite surface. 1.9 x 1.9  $\mu\text{m}$