

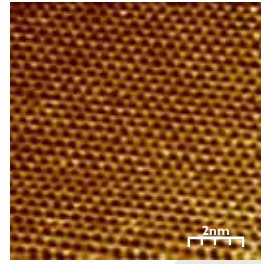
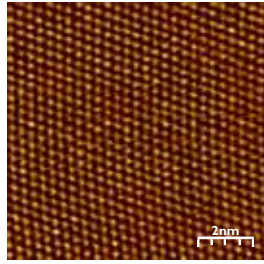
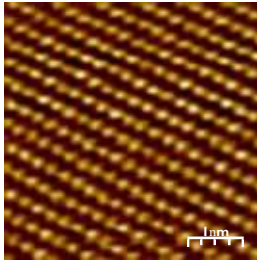


ezSTM™

Scanning Tunneling Microscope

- Ultimate performance with small footprint
- Anytime upgrade to ezAFM™





HOPG ATOMS

Technical Specifications

- 1 pA-10 nA or 100 pA-100 nA current range
- 0.1 pA current step size
- 0.5x0.5x0.2 μm or 1x1x0.5 μm (XYZ) Scanner
- Z resolution 0.5 μm
- X Y resolution 1 μm
- Constant current, constant height imaging modes
- Current-Voltage, Current-Distance spectroscopy
- Tip voltage ± 15 V in 300 μV steps
- Ultrasonic motors for fastest sample approach & X Y coarse sample positioning up to 5 mm
- Sample reception up to 15 mm
- 2MP CMOS, LED illuminated side view video camera
- with manual focusing and 5X digital zooming.

Controller Electronics

- Digital feedback with FPGA/DSP
- 24bit ADCs/DACs
- Simultaneous scan of 6 channels @ 4,096x4,096 pixels
- USB interface
- 100-240 VAC, 50/60 Hz, 50 W

Software

- Control Software and Image Analyzer
- Free software upgrades for lifetime
- Unlimited user licenses

