

Affordable AFM / STM System SOLVER Nano

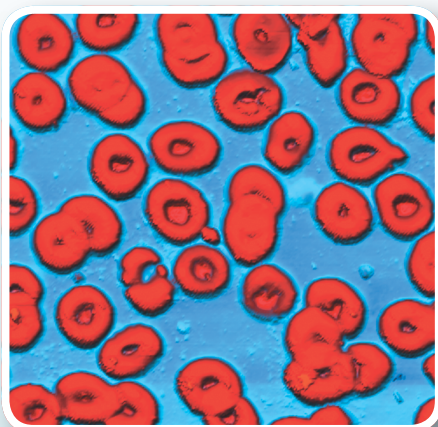
Advanced Features and Capability for Scientific Research

- Atomic resolution
- More than 30 AFM / STM modes
- Wide range of nanolithography techniques
- Digital controller
- Closed-loop scanner
- Easy adjustments

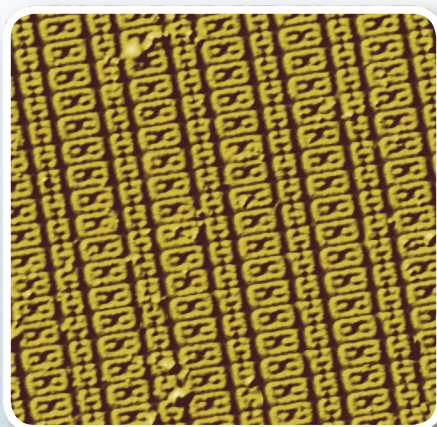


Delivery set* of SOLVER Nano system:

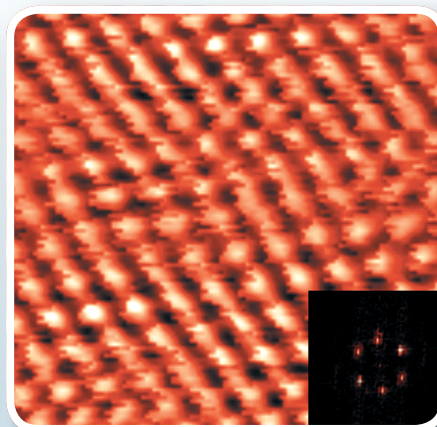




Blood cells. Scan size 50x50 μm .
Semicontact mode



Microstructure. Scan size 30x30 μm .
Semicontact mode



Atomic lattice of HOPG. Scan size 4x4 nm.
Contact lateral force mode

Specifications:

Scanning:	By sample, range 100 × 100 × 10 μm (Closed-loop)
Sample positioning:	Manual, range 5 × 5 mm
Sample weight:	Up to 40 g
Sample size:	Diameter up to 25 mm, Thickness up to 10 mm
Approach system	By sample, motorized, range 10 mm
Optical control:	Built-in USB camera
Modes and Techniques	
<p>Atomic Force Microscopy (AFM) Contact:</p> <ul style="list-style-type: none"> • Constant force mode • Constant height mode <p>Semicontact:</p> <ul style="list-style-type: none"> • Height imaging mode • Phase imaging mode • Deflection <p>Electric Force Microscopy (EFM) Magnetic Force Microscopy (MFM) Kelvin Probe Force Microscopy (KPFM) Scanning Spreading Resistance Microscopy (SSRM) Lateral Force Microscopy (LFM)</p>	<p>Scanning Tunneling Microscopy (STM):</p> <ul style="list-style-type: none"> • Constant Current mode • Constant Height mode • I(Z) Spectroscopy • I(V) Spectroscopy <p>Lithographies</p> <ul style="list-style-type: none"> • Voltage lithography (AFM/STM) • Current lithography (AFM/STM) • Force lithography (scratching, dynamic plowing)