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- Routinely achieve higher resolution than other AFMs
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Features and Benefits	Operating Modes	Accessories	Softwar	e Support		
Included Operating Modes Optional Operating Modes						
Contact mode DART PFM Dual AC			AM-FM Viscoelastic Mapping Mode Contact Resonance Viscoelastic Mapping Mode			

Dual AC imode Dual AC Resonance Tracking (DART) Electrostatic Force Microscopy (EFM) Force curves Force Mapping Mode (force volume) Force modulation Frequency modulation Kelvin Probe Force Microscopy (KPFM) Lateral Force Mode (LFM) Loss tangent imaging Magnetic Force Microscopy (MFM) Nanolithography Nanomanipulation Phase imaging Piezoresponse Force Microscopy (PFM) Cypher S scanner. Switching spectroscopy PFM Tapping mode (AC mode) Tapping mode with digital Q control

Conductive AFM (CAFM) with ORCA[™] and Eclipse[™] Mode Current mapping with Fast Force Mapping Electrochemical Strain Microscopy (ESM) Fast Force Mapping Mode High voltage PFM Nanoscale Time Dependent Dielectric Breakdown (nanoTDDB) Scanning Microwave Impedance Microscopy (sMIM) Scanning Tunneling Microscopy (STM) Note: Some optional modes on the Cypher ES require blueDrive photothermal excitation. sMIM requires the

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