Wednesday, August 2, 2023

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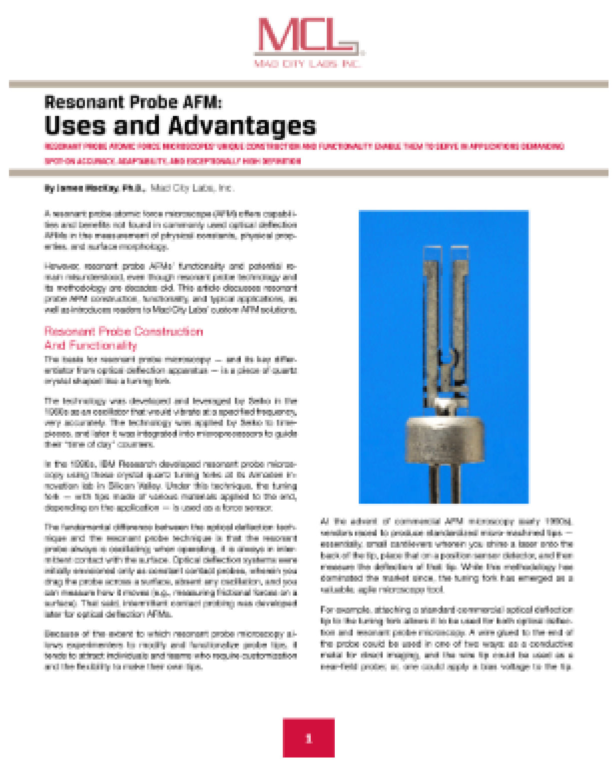
Resonant Probe AFM:
Uses and Advantages
Resonant Probe Construction
And Functionality
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Resonant Probe AFM: Uses and Advantages

A resonant probe atomic force microscope (AFM) offers capabilities and benefits not found in commonly used optical deflection AFMs in the measurement of physical constants, physical properties, and surface morphology. This article discusses resonant probe AFM construction, functionality. Some of the applications particularly well suited to resonant probe AFM are optical antenna properties, quantum materials (NV center research), and terahertz microscopy/spectroscopy.

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