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RHK Expands Nanotech Research Capability through Variable Magnetics

RHK announces the release and shipment of its new research platform: UHV AFM/STM-VT with Variable Magnetic Field (VMF). In contrast to typical implementations of UHV SPM magnetic fields, RHK's design delivers VMF capability that is precise, versatile, and affordable. Several RHK VMF platforms have already shipped to labs around the world.

Zhouhang Wang, RHK Chief Technology Officer, states, *"Our new design enables scientists to expand their research into UHV magnetic experimentation at the nanoscale without breaking their budget or compromising SPM performance."*

RHK's unique VMF consists of electromagnetic coils isolated from the UHV chamber. Magnetically permeable "fingers" extend through the chamber wall to deliver a reversible and continuously variable field up to 1 Tesla in plane with a sample size of 1 cm^2. The field can be varied simultaneously with real-time imaging. RHK has ensured that its outstanding performance in AFM/STM resolution, drift, stability, and vibration isolation remains uncompromised.

About RHK Technology

RHK Technology develops and manufactures a complete line of scanning probe microscopes for the performance and customization needs of research scientists around the world. The SPM industry leader in innovation, reliability, open architecture, and customer support, RHK has delivered a consistently superior product for twenty years. Our newest products bolster a reputation for uncompromised excellence.

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