

STM with LEED and RHEED o| **Service only**



Thermo VG Scientifics STM system features the variable temperature UHV Scanning Probe Microprobe [RHK Technology Inc.](#) The STM system comprises the RHK UHV300 SPM and a second chamber with facilities for fitting RHEED and LEED instruments. The system can be incorporated into existing facilities or upgraded to a full MultiLab system at a later date.

The UHV300

This high-performance UHV STM has features which provide the user with world beating performance. The unique system is based on the ingenious "Johnny Walker" version of the Beetle™ design.

The instrument features unparalleled mechanical and thermal stability. It provides atomic resolution and a low imaging current (down to 1pA) allowing imaging on insulating and delicate structures.

A choice of heating and cooling methods (Radiant, Electron bombardment, Direct current, LN₂, LHe) provides a wide range of sample temperatures (>1,200°C, <30K) together with accurate control of sample temperature.