

Dilution LT UHV SPM with SC Magnet

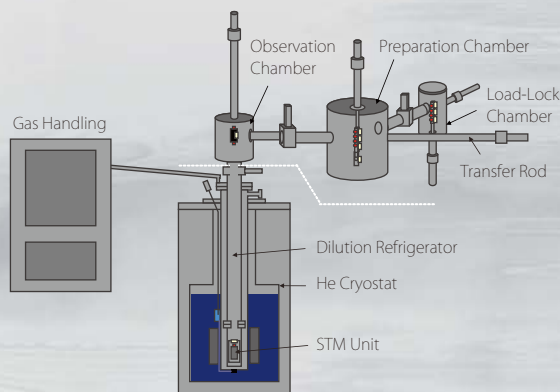
USM1600

High-End Model STM in Ultra Low Temperature and High Magnetic Field.
Continuous Cooling Lower than 40mK (Target 30mK)

Applications

- High energy resolution IETS on single molecule
- Atom manipulation
- Spin polarized STM
- Spin resonance STM in single atom and molecule
- High-resolution spectroscopy on super conductor

Structure



SPM Unit	
Max Scan Size	800 x 800 x 100nm at 100mK (2.5 x 2.5 x 0.4μm at RT)
Resolution	spatial: <0.01nm, energy: <1meV
Base Temperature	40mK (Target 30mK)
Magnetic field	11T, 15T vertical or 9-2-2T Vector magnet

Instrumental components are subject to change without notice for improvement in performance

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