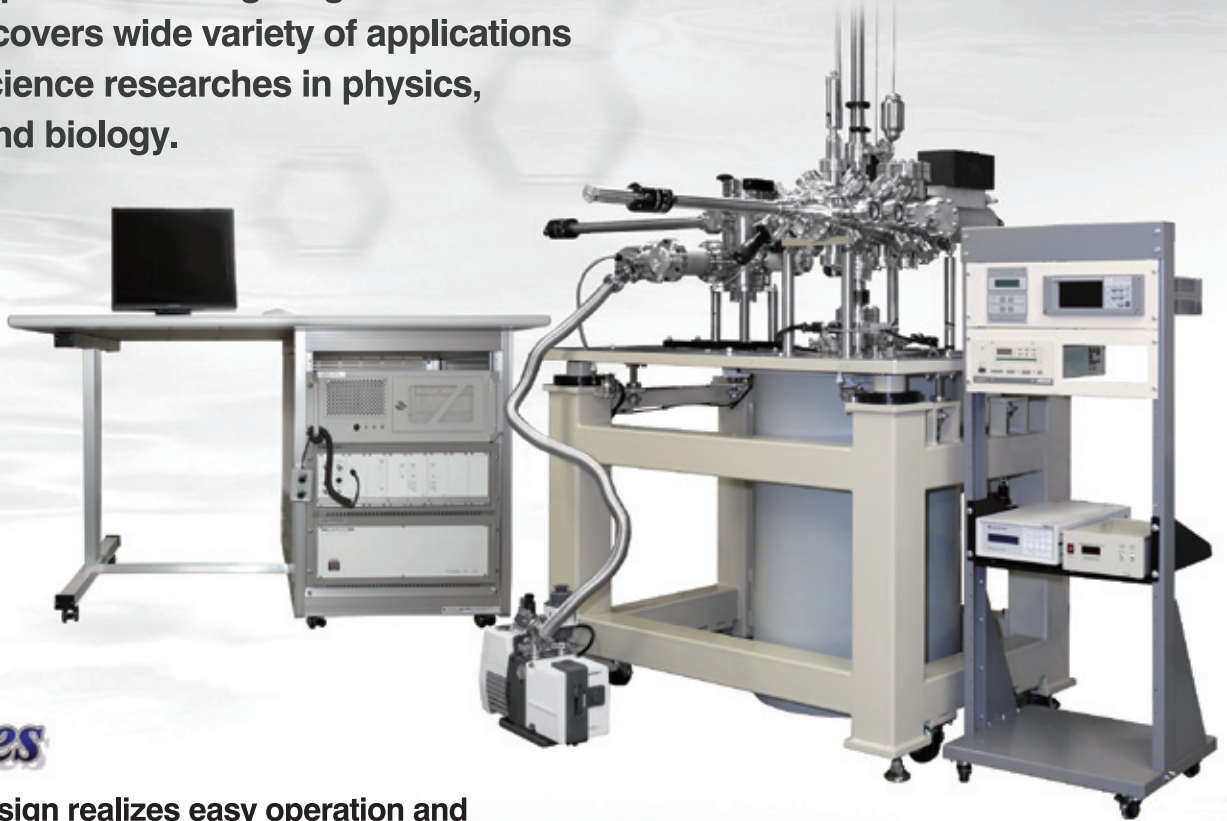


# UHV LT SPM System USM1500

This system is newly designed Low Temperature SPM with Super Conducting Magnet. The system covers wide variety of applications of surface science researches in physics, chemistry, and biology.



## Features

- Compact design realizes easy operation and reasonable price.
- Variable temperature operation down to 2.0K is possible.
- Stable operation is possible in high magnetic field up to 8T.
- AFM function is applied for non conductive materials.
- Simultaneous measurement of STM/AFM is possible using conductive AFM probe.
- Introduction of optical fiber or high frequency coax cable to SPM head are possible.

## System line up

- USM-1500S Load lock, Preparation, and STM insert chamber.
- USM-1500SA including AFM function

## Options

- Extra chamber for organic material deposition is available
- Spatter gun, K-cell deposition source, E beam heating power supply and other useful attachment are available