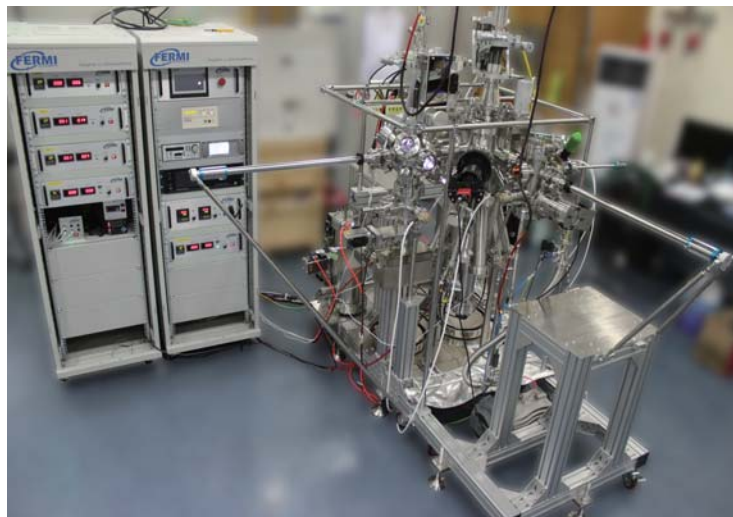


Complex Systems

La Sr Mn Cu Bi Ba Au Y Ni Ti Ru Nb Ca Ir ...

Medium Size MBE System



- SS316 UHV Chamber, NW CF Standard
- Base Pressure better than 5.0×10^{-10} mbar
Improvable with optional Pumps
- Up to 12 ports for evaporators, compatible with all commercial products.
- 4-axis manipulator support flag type sample holder, resistance/e-beam/dc heating, LN2/ He cooling, 4 Probe options.
- Extension Flange Available for In-Situ Characterizat

Specification

Chamber	Made from SS316 , fully UHV compatible
Pumps	Standard: Edwards STP 603 Mag- Lev Turbo Pump with nXDS 10i Dry Pump Optional: TSP, LN2 Trap, Ion Pump, NEG Pump, 2nd stage Turbo Pump
Base Pressure	<5E-10 mbar (Standard)
4-axis Manipulator	X/Y(± 8 mm), Z(150mm), θ ($\pm 180^\circ$) , Heating /Cooling on request
QCM	Retractable INFICON XTC/3s controller and Front Load Single Sensor
RHEED	STAIB 15 KeV RHEED & Phosphor Screen; CCD & Software for Data acquisition and analysis
Evaporator Cells	Up to 12 Evaporators : 4 x CF 40 Ports @ 18 degrees 4 x CF 63 Ports @ 20 degrees 4 x CF 40 Ports @ 55 degrees Pneumatic Shtters with Controller Box & Recipe Software
Gate Valve	VAT DN63 CF UHV Manual Gate Valve
Other Accessories	Load Lock, UFO Chamber , Ion source, LEED Chamber ARPES/XPS/STM Connections