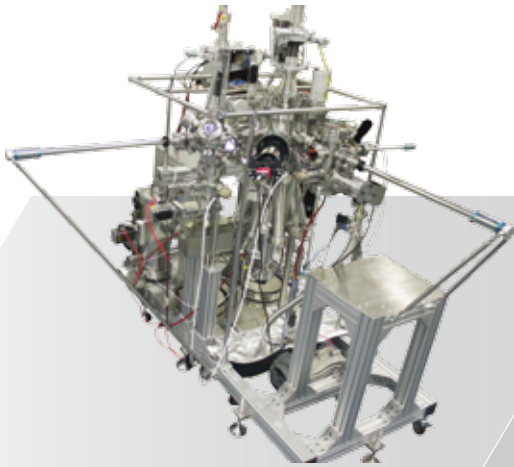


## Medium Size MBE-300 System



### Specification

- ✓ SS316 UHV Chamber, NW CF Standard Flange
- ✓ Base Pressure better than  $5.0 \times 10^{-10}$  mbar Improvable with optional Pumps
- ✓ Up to 12 evaporators, compatible with major commercial products
- ✓ 4/5-axis manipulator, resistance/e-beam/DC heating, LN2 cooling optional
- ✓ Spare Flanges Available for In-Situ Characterization

Chamber	Made from SS316, fully UHV compatible
Pumps	Standard: Edwards STP 451 Mag-Lev Turbo Pump with nXDS 10i Dry Pump Optional: TSP, LN2 Trap, Ion Pump, NEG Pump, 2nd stage Turbo Pump
Base Pressure	$< 5 \times 10^{-10}$ mbar( Standard)
Manipulator	4/5-axis Stage, RT-1000 °C, E-beam/LN <sub>2</sub> Cooling optional
QCM	Single/Double Head Sensor, with Linear Shift
RHEED	15 KeV RHEED& Phosphor Screen; CCD& Software for Data acquisition and analysis
Evaporator Cells	Up to 12 Evaporators: 4×CF40 Ports, 4×CF63 Ports, 4×CF40 Ports Pneumatic Shutters with Controller Box& Recipe software
Gate Valve	VAT DN63 CF UHV Manual Gate Valve
Other Accessories	Load Lock, Sample Transfer Arm, High Stability Chiller, Ion source (interconnectable with Radial Distribution System, LEED/ARPES/XPS/STM Systems)