

SMART NanoFab - MBE BASE SYSTEM

Pneumatic Manifold

and 850 °C Heating

Optional: 1000 °C Heating

O₂ Resistant Filament Option

Spare Heating Elements

SMART PLD – Vacuum Hardware

- SMART Chamber Thermal and Laser
- 14" Quick Entry Door
- Chamber Mounting Hardware
- SMART Console/Electronics Racks
- Dual Electronics Rack as console
- Table Top (Stainless)

SMART Pumping Hardware

- UHV Cryopump Package
- Cryo-Torr 8 Cryopump
- 8200 Compressor
- Installation Kit
- 8" to 10" CF Adapter
- Roughing Valve
- Vent Valve
- Blanks, reducers, viewports, assy kits

SMART Electronics

- NI Controller
- RoboMBE Software
- Computer

SMART MBE Installation Kit

Stage Control Package

- Stepper Motor Substrate Manipulator Rotation
- Power Supply Cabling
- Sample Heater Power Supply
- Sample Heater Eurotherm Controller

Sample Blocks with Blank Inserts

GP UHV Ion Gauge and Controller







GAUGE OPTIONS	
Cold Cathode Gauge Package	
Baratron Package	
GAS CONTROL	
Mass Flow Control Package	
Leak Valve Package	
ADDITIONAL OPTIONS	



Loadlock/Transfer Module

Load Lock Chamber with Cross Transfer	
Load Lock Chamber w/o Cross Transfer	
Docking Stage for Substrates	
Magnetic Transfer Rod	



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