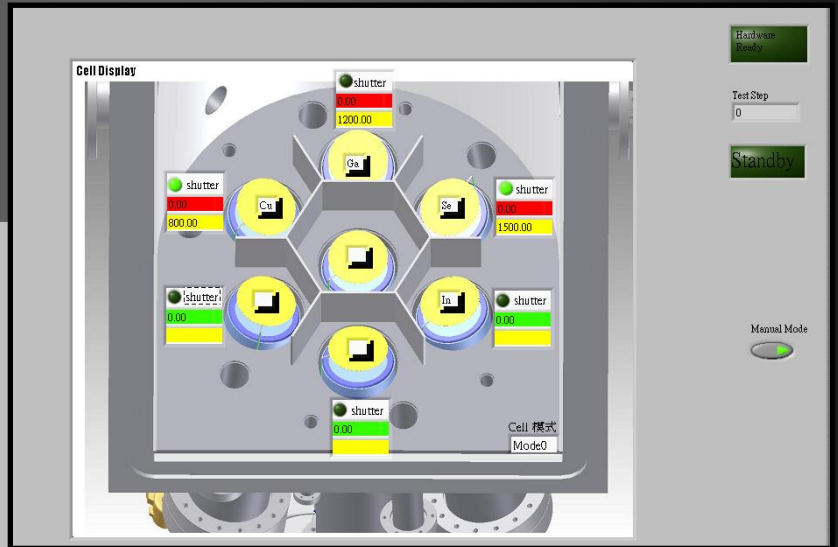
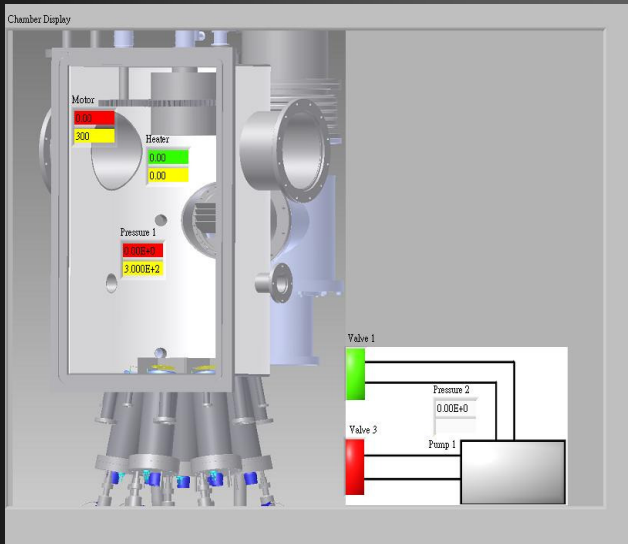


Software Development

MBE Control Software



Outstanding capability of software design

1. totally user-friendly solution
2. module-orientation
3. traceable operation phase
4. revisable and recoverable parameter setting
5. direct control of temperature and pressure
6. step-motor control

PLD Control Software

PLD Consult

Material Control

I/O port: COM3

Sweep: Ag 60, Au 0, Ni 180, Fe -240, N₂OFe10 300

Buttons: Set Home, Go Home, Stop

Spin Speed Control

I/O port: COM4

Speedometer: -100 to 100 rpm

Buttons: GO, STOP

Pulse Control

I/O port: COM5

Frequency: 20, Pulse count: 0

Buttons: OK, Cancel

Pressure Display

I/O port: COM6

Graph: Torr vs Time

Buttons: OPEN, STOP, CLOSE, Auto

Sample Temperature

I/O port: COM7

Graph: Temperature vs Time

Buttons: Auto

PLD Mask Control

I/O port: COM8

Mask Position: 0, Mask Time: 0 Sec

Buttons: GO, STOP, Cancel, HOME

System Status

Motor position Control: Incorrect computer system

Motor speed Control: Waiting for temperature

Laser pulse Control: Waiting for pressure

Pressure Control: Waiting for pressure

Sample temp Control: Waiting for pressure

Motor mask Control: Waiting for pressure

Step	0	1	2	3	4	5	6	7
Step	0	1	2	3	4	5	6	7
	sweep	target	spin speed	frequency	pulse	pressure	degree	mask time
	mask position 1	mask position 2	time/sect					

Buttons: Save, Load, Auto Run, Step Run, Abort