

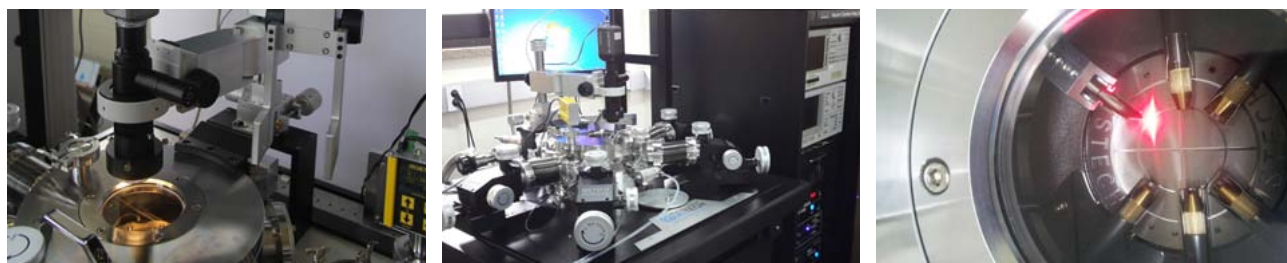
# VACUUM CHAMBER

M5VC / M6VC



Vacuum Chamber Probe station is the equipment where output data may be obtained by controlling and measuring all situations with software while changing the conditions such as temperature, Fiber, Gas, Bend Stage, etc. by a given amount for all measurement systems (IV, CV, RF, Impedance) and vacuum situations. Also, customized expansion is possible with additional attachment of a Mini Chamber.

LN2	Helium	GAS	Fiber	High Temp	Vending Stage	RF
-190 °C ~80K	-262 °C ~10K	MFC 5Ch More	250~1200nm Wavelength	~ 1,000 °C Max	Bending Radius Max ~80°	~67GHz



## Specification

Vacuum Chamber Probe Station Main	Main Chamber : 270dia x 234(h), ISO 100(Flange for Vacuum ) Chuck : 70mm Gold Chuck or Ceramic Low Leakage Current 1fA less than Ceramic Chuck Top Plate( for Temp Calibration ) Vacuum : 1x10E- 3 torr (Up Garde Available 6 torr ) 1x10E- 6 torr (Up Garde Available 6 torr ) Multi NW Port : NW80 6 Port, NW25 8 Port, NW50 1 Port (front) Window : Window 154 (View 100mm ) quartz , Dark Cap Temp Range : -195(77K) ~ 300(570K), 780K, 1000K_LN2 -260(10K) ~ 300(570K), 780K, 1000K, _Helium
Microscope & CCD Camera	CCD Zoom : MST8000CHC_400 x ~ 1000x (One Object Lens ) CCD Camera : Full HD 210M Pixel, Video Recoding, Capture Hanger Arm for 22" LCD Monitor Micro Arm : Free Swing Arm, Fine X/y stage Travel 50 x 50mm
Vacuum Positioner	Positioner : PBC400 X/y/z Travel : 40mm Resolution : 1um Vacuum Holder : Bellows NW80 x 140mm , NW80 Flange Port 6
Vacuum Positioner Holder	Holder : Triaxial VC_15 Leakage current : Triaxial 1fA less than (VC_15)
Probe Tip	M5BG : 0.5 x 30mm Gold or Tungsten M3BGHR : 0.5 x 30mm Gold Tungsten
Vibration Table Rack Top	Dimension : 900 (w) x 900(d) x 1800(H) Cover : foot Cover 3 Side for Manifold & Solenoid Rack Top : Test Equipment On Top
System Control PC	Configuration : 22" LCD Monitor, Quad Core
System Control Rack	Dimension : 1400(h) x 19" (w) , for System Controller Configuration : System PC, Temp Controller, Valve Controller(Manifold On/Off) Slid Key Board, Mouse
Option	MFC(GAS) : N2, Ar, NH3, O2, H2.. Max 10 More , Solenoid Auto Control RS232 Software Control available, IN Vacuum Gas Line 8/1" Fiber & Illumination : Wavelength 250 ~ 1400nm Zenon Source Lamp, Wavelength 300 ~ 650nm Halogen Source Lamp RS232 Software Control available Control Software : Total Control software MVC_13 Temp Sweep , MFC Control, Vacuum Display Baratron Valve Control with Measurement Interface Measurement : Keithley 4200, Agilent B1500 More Series (Customize ) In Bending & Pull Stage : Bend Wave ~ 180c, 20mm Pull (Probing or Gig Holding ) Motor Control, RS232 Software Control available Sample Holding Gig or Pogo Gold Pin Gig (User Choice)