

SPECIFICATIONS

Vacuum Chamber Probe Station Main	<p>Main Chamber : 215dia, 230dia, ISO 100(Flange for Rotary, Turbo Pump) Chuck : 80mm Sample Chuck, Fine Uniformity Low Leakage Current ~ 10fA less than Ceramic Back Gate for Back Bias or Isolation, MBG25, MBG40</p> <p>Vacuum Range : 1x10E 3or 6 torr (Up grade Available 6 torr) Multi NW Port : NW50 Port, 6 Port, Nw25 Port NW80 Port, 8 Port, NW25 Port,</p> <p>Window : Window 154 (View 100mm) quartz, Dark Cap Temp Range : 77K~570K,_LN2 (Temp Option, 770K Available) -260(10K)~300(570K), 780K, 1000K,_Helium</p>
Microscope & CCD Camera	<p>CCD Zoom Camera : Zoom_300x or Zoom Object_300x (5x) CCD Camera : Full HD 210M Pixel, 15" LCD Monitor Option, Video Recoding, Capture Card Fiber Ring Guide & Volume Controller</p> <p>Microscope : Sliding Rail & Fine X/y Stage 50 x 50mm Monitor</p>
Vacuum Positioner	<p>Positioner : PBC400 X/y/z Travel : 40mm Resolution : 1um Vacuum Holder : Bellows NW80 x 140mm ,NW80 Flange Port 6</p>
Vacuum Positioner Holder	<p>Holder : Triaxial VC_15 Leakage current : Triaxial ~ 10fA less than (VC_15)</p>
Probe Tip	M5BGC : 0.5 x 30mm Gold Tungsten
Rotary & Turbo Pump	Rotary Pump 200L, 400L, Turbo Pump 300L, ISO100
Main Frame Rack type	<p>Dimension : M5VC, 900(h) x 770(d) x 1500(h) M6VC, 1055(w) x 1005(d) x 160(h) 4 Foot & Air gel Semi Vibrator</p>
System Control Rack	<p>Dimension : 1400(h) x 19"(w), for System Controller Configuration : System PC, Temp Controller, Valve Controller (Manifold On/Off), Slid Key Board, Mouse</p>
Option 1	<p>Control Software : Total Control software MVC_19, Recipe Measure Temp Sweep, MFC Control, Vacuum Display Interface Measurement : B1500A, Keithley 4200Interface More Series (Customize)</p>
Option 2	<p>GAS Measure : MFC Gas 4ch, 8ch, More, Solenoid Auto Control Target Gas(Motion Flexible Tube), Ambient Gas Measure</p> <p>Fiber Measure : Wavelength 300 ~ 1400nm Zenon Source Lamp, Laser Source, LED, Fiber Measure</p> <p>Vacuum Carrier : Glove Box Sample Carrier Gas Carrier : Target, Ambient Gas Cap Magnet Carrier : 0.5(t) N, S Change, Sample Circulation 360 c Bending & Sterech Stage, Motor Controller, RS232 Interface, Software</p>

	TYPE	Option1									
		LN2	Helium	High Temperate Spot Hot Chuck	Fiber	Gas	Vacuum Carrier	RF 67GHz	Vending Stage	Gas Carrier	Magnet Carrier
M5VC	Rotary	○	X	○	○	○	○	○	X	○	○
M6VC	Turbo	○	○	○	○	○	○	○	○	○	○

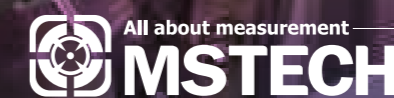


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VACUUM CHAMBER PROBE STATION

M5VC / M6VC



VACUUM CHAMBER PROBE STATION

(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, Vacuum carrier, Magnet carrier, etc. by a given amount for all measurement systems (IV, CV, RF, Impedance, Magnet) and vacuum situations. Also, customized expansion is possible with additional attachment.



Ordering Information



FIBER



MFC



BENDING



CARRIER



SUS HIGH TEMP HOT CHUCK (0~770K)

Vacuum Sliding Rail

X/Y Fine Stage Knob

Vacuum Chamber Main

Dia 215(M5VC), 230(M6VC), ISO100
 Chuck 80 Dia, Triaxial Guide Cover
 Temp Range : 80K ~ 570K, 700K(LN2)
 10K ~ 570K, 700K(Helium)
 NW50 6Port, NW25 9port, NW40
 Window 154(view 100mm), Safety Pin

Vacuum Gauge

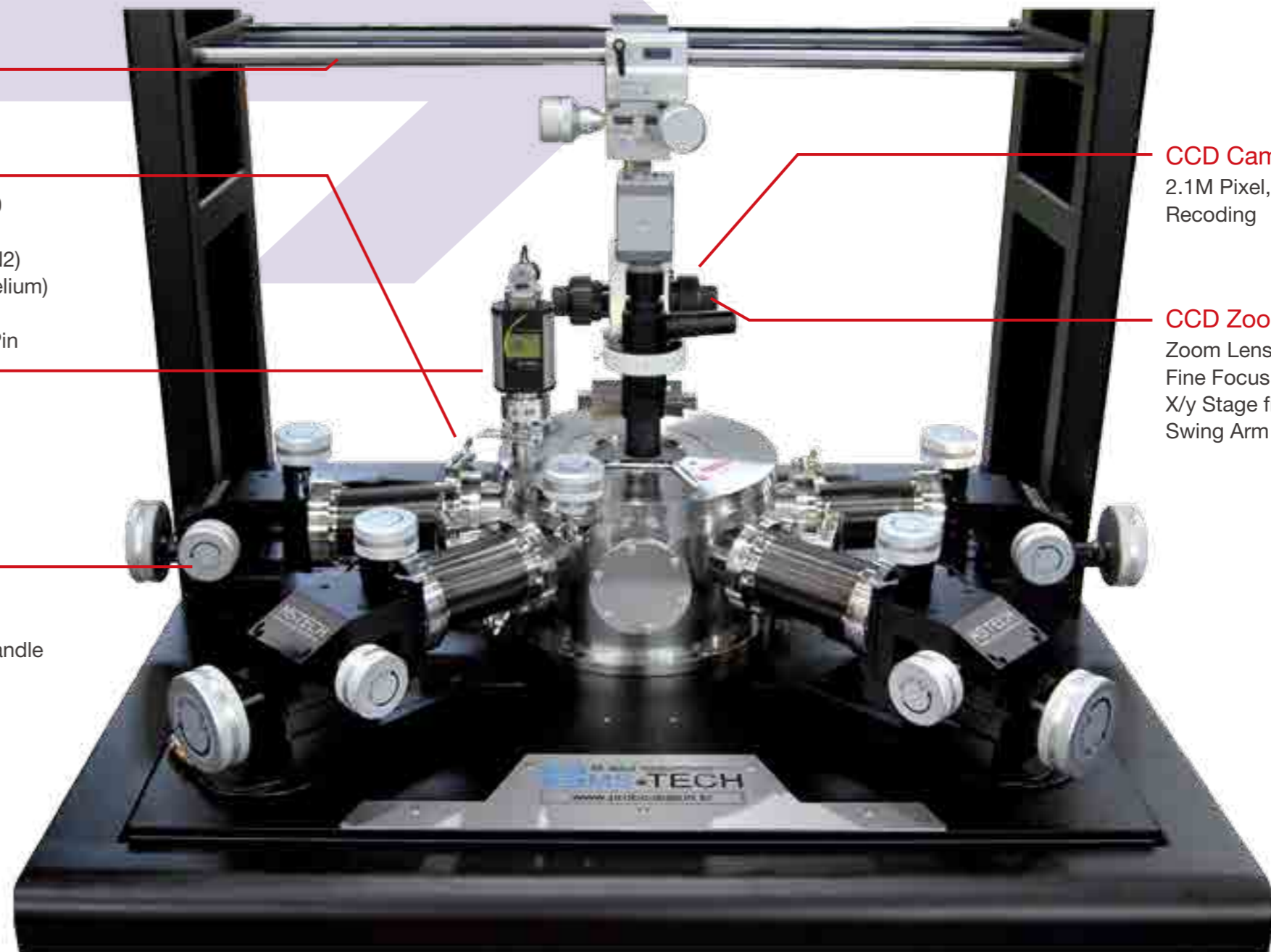
1x10e-3, 1x10e-6 torr
 RS232 Interface

Positioner & Holder

X/y/z Fine Easy Handle, Z Power Handle
 High Resolution : 1um
 Travel : 40mm
 NW80 Bellows for Vacuum

CCD Camera Full HD
 2.1M Pixel, Video Capture,
 Recoding

CCD Zoom Camera _300x
 Zoom Lens : 0.67 ~ 7x,
 Fine Focus
 X/y Stage fine Travel,
 Swing Arm



Vacuum Chamber Probe Station Expand Option

Temp Sweep Measure, Multi Gas Measure, Fiber Illumination & Sweep Measure
 Bend & Pull Auto Control. Total Software Control
 Expanding Mini Chamber

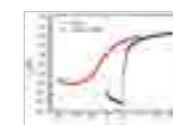
Vacuum Chamber In Gas Line
 Gas Measure Sheet Graph (H2)



Agilent B1500 Measure



Optical Stress Graph (LED Laser)



Vacuum Chamber Control Software

