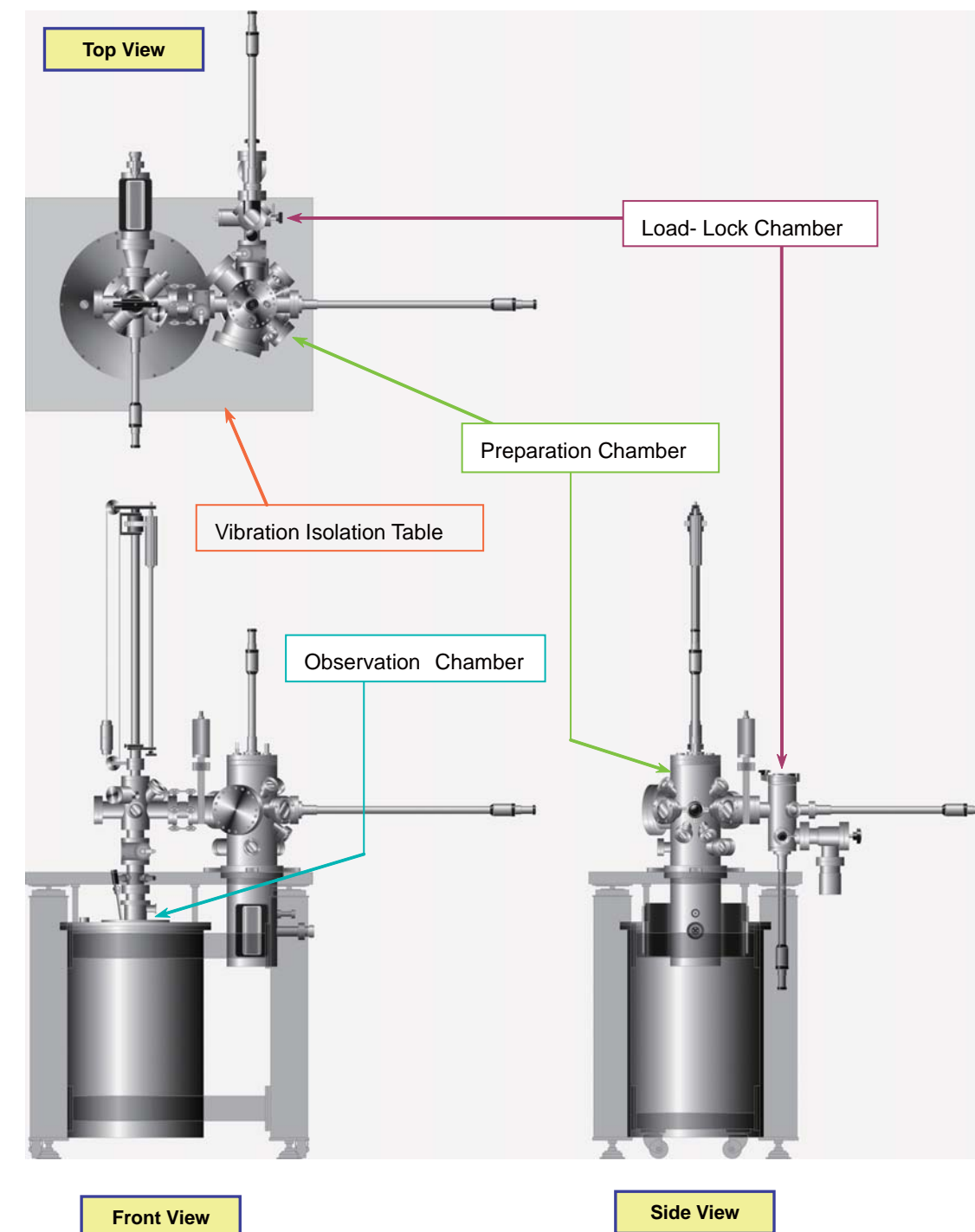


Ultrahigh Vacuum, Ultra Low Temperature and High Magnetic Field Scanning Probe Microscope System  
**USM-1300 Series**

Type of STM	USM-1300S <sup>4</sup> He	USM-1300S <sup>4</sup> HeVTI	USM-1300S <sup>3</sup> He
<b>◆ Vacuum System</b>			
Gate valve ICF114	between Observation Chamber and Preparation Chamber		
	between Preparation Chamber and Load-Lock Chamber		
Angle valve ICF114	between Load-Lock Chamber and Turbo Molecular pump		
for Observation Chamber			
Pressure gauge	Nude ion gauge		
Vacuum pump	400lit./sec Ion-Sublimation combination pump		
for Preparation Chamber			
Pressure gauge	Nude ion gauge		
Vacuum pump	1600lit./sec Ion-Sublimation combination pump		
for Load-Lock Chamber			
Pressure gauge	Nude ion gauge		
Vacuum pump	70lit./sec Turbo Molecular pump with Rotary pump		
<b>◆ Vibration Isolation Table</b>	Gimbal piston type air damper vibration isolation table		
<b>◆ Standard Accessories</b>			
Sample Holder	5Holders		
Probe Holder	5Holders		
Probe Tip	10 Pt; Ir tips		
Tools Set for STM	1set		
Tape Heater for STM	1set		
System bake out			
Light source	1set (Fiber Light source and ICF70 flange coupler)		
Liquid He transfer tube	1set		
Instruction manual set	1set		
Power	100VAC 50/60Hz (Other Voltage is option )		

**SPM Controller and Data Acquisition System**  
option (UNISOKU SPM Controller or RHK SPM1000 Controller can operate this system)

This specification is base on 3 Chamber composition .  
In case of 2 Chamber composition, it's specification is excepted blue background parts



USM-1300 series makes it possible to observe the sample surface at low temperature in UHV by STM or AFM and analyze surface electronic properties using various methods.

Unisoku Co., Ltd.  
2-4-3, Kasugano, Hirakata, Osaka 573-0131, Japan  
TEL: 81-72-858-6456 FAX: 81-72-859-5655  
E-mail: info@unisoku.co.jp URL: http://www.unisoku.co.jp  
Instrumental components subject to change without prior notice for improvement in performance.

