

# WIT Product Lineup

World-wide Innovative Technology

WIT

주식회사 위트

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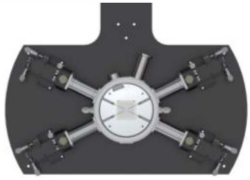


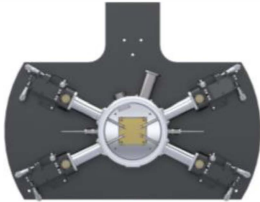


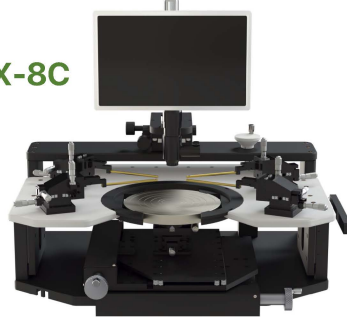



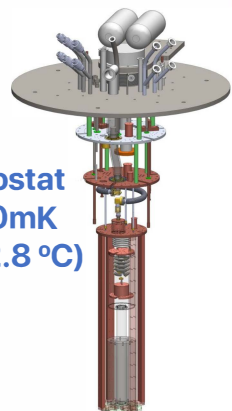


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3. MVPX: Mini Sized VPX
4. MVPX-LN2: Low Temp. MVPX
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7. WIT Product Lineup and Application

# 1

## WIT Product Lineup

<p><b>High</b> Temperature</p>	<p><b>VPX-P170</b></p> 			<p><b>VPX-P300 &amp; 600</b></p> 
<p><b>Room</b> Temperature</p>	<p><b>APX-4B</b></p> 	<p><b>APX-6C</b></p> 	<p><b>APX-8C</b></p> 	
<p><b>Low</b> Temperature</p>	<p><b>VPX-77K</b> (-196.15 °C)</p> 	<p><b>Cryostat</b> <b>4.2K</b> (-268.9 °C)</p> 	<p><b>Cryostat</b> <b>1.5K</b> (-271.6 °C)</p> 	<p><b>Cryostat</b> <b>300mK</b> (-272.8 °C)</p> 

## 2

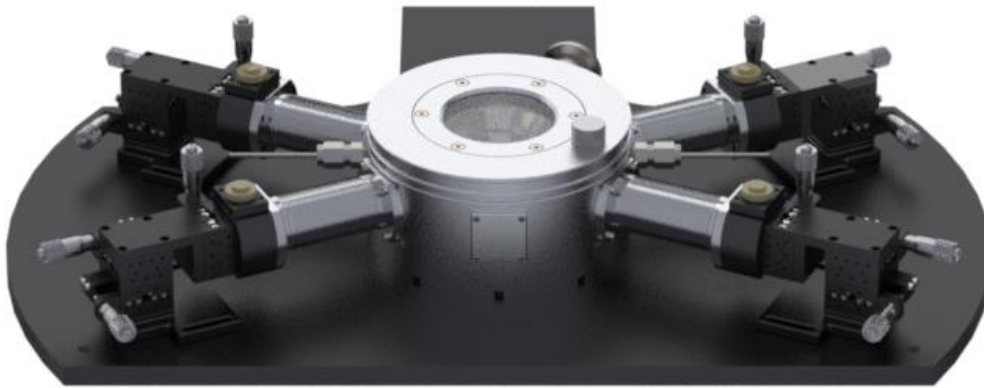
# APX : Ambient Probe Station



Specifications		APX
Sample Chuck	Chuck Size	2 ~ 12"
Temperature	Temperature Range	RT ~ 170 °C
	Temp. Stability	± 0.5 °C
Station Footprint	Footprint	730 mm (W) 530 mm (D) 600 mm (H)

# 3

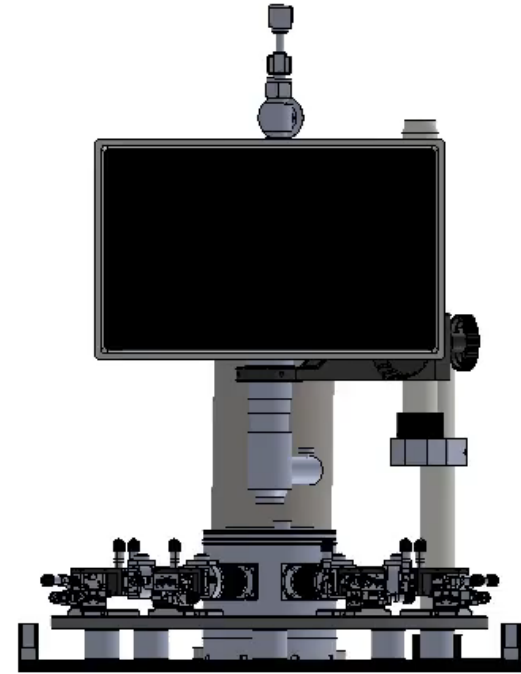
## Vacuum Probe Station (VPX-P170)



Specifications		MVPX
Sample Chuck	Chuck Size	30 mm x 30 mm
	Temperature Range	-20 °C ~ 170 °C
	Heating / Cooling Rate	1 °C/sec
Station Footprint	Footprint	450(W) x 320(D) x 450(H) mm

## 4

# Vacuum Probe Station (VPX-77K)

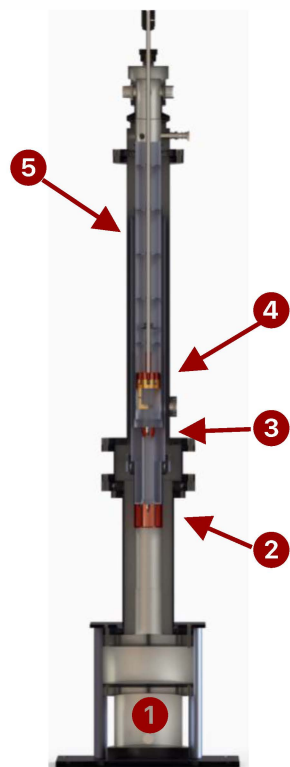
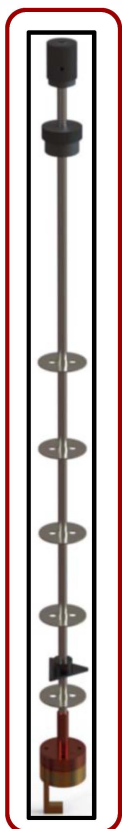


Specifications		MVPX-LN2
Sample Chuck	Chuck Size	35 mm × 35 mm
	Temperature Range	65 K ~ 400 K
Temperature	LN <sub>2</sub> Capacity	0.8 Liter
	Cooling Time	< 25 min to 77 K
	Holding Time	> 16 hours at 77 K
Station Footprint	Footprint	450(W) x 320(D) x 450(H)

## 5

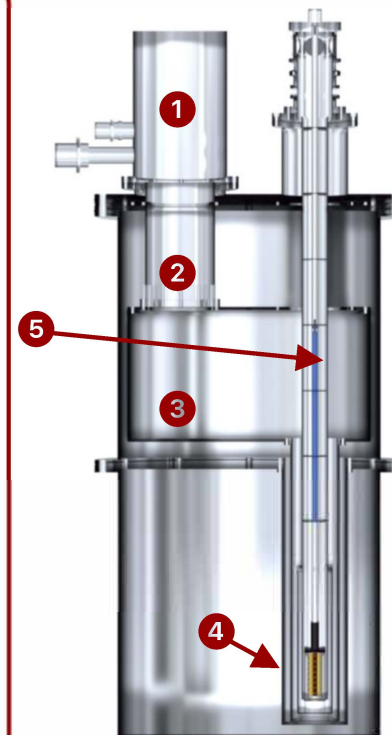
## Top Loading Cryostat

4.2 K



- ① GM Cooler
- ② 1st Stage : 10 K
- ③ 2nd Stage : 4.2 K
- ④ Sample Holder
- ⑤ Top Loading Inserter

1.5 K



- ① Pulse Tube Cooler
- ② 1st Stage : 4.2 K
- ③ 2nd Stage : 2.8 K
- ④ Sample Holder
- ⑤ Top Loading Inserter

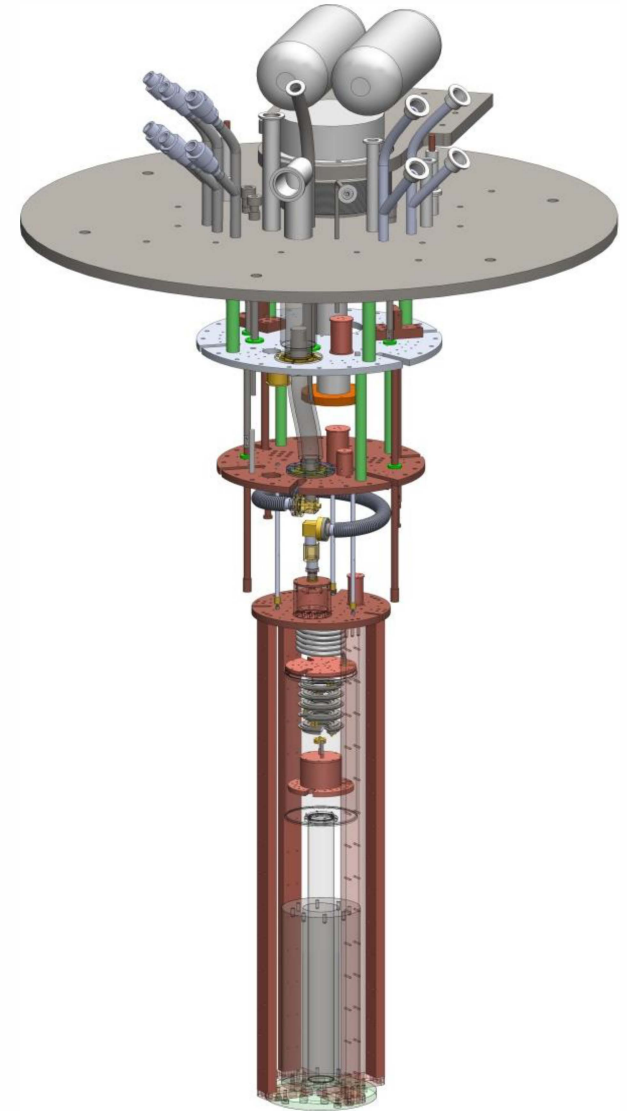
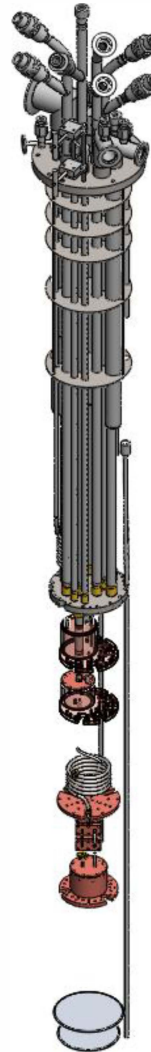
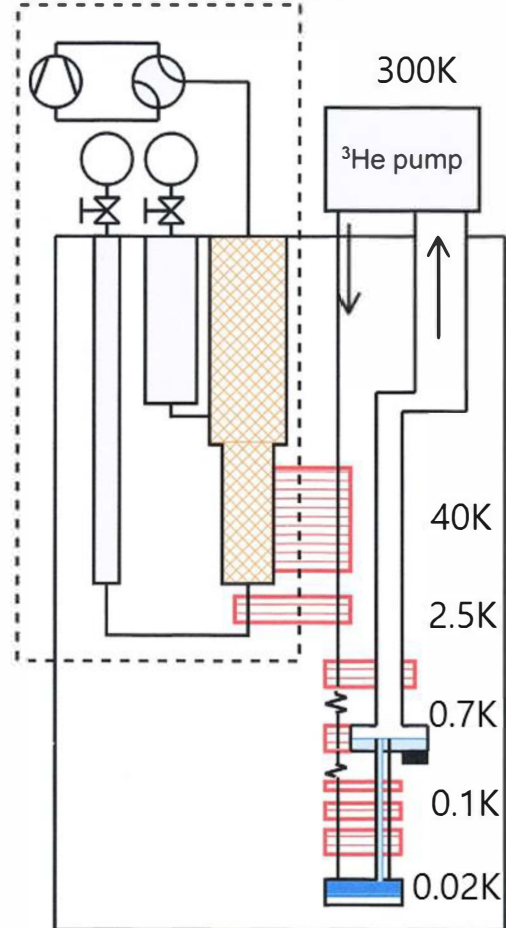


## 6

## Liquid He3 Cryostat

300 mK

pulse-tube refrigerator





# 7

# WIT Product Lineup and Application



Probe Station

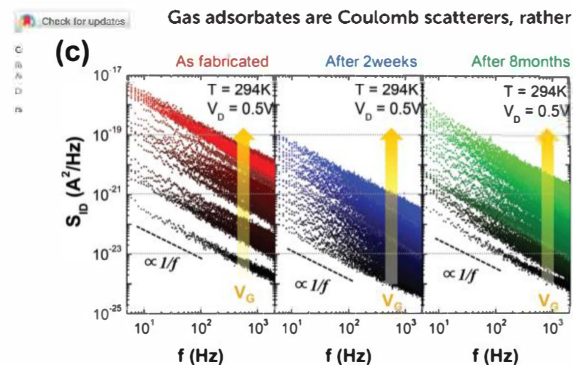


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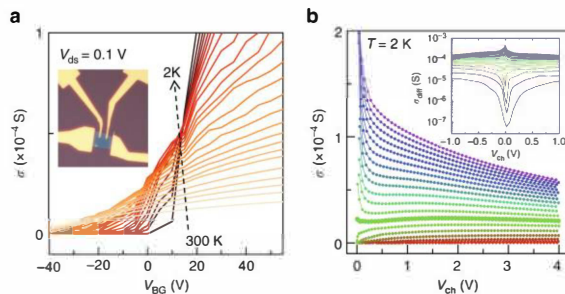
## 4.2 K



ARTICLE

Soft Coulomb gap and asymmetric scaling towards metal-insulator quantum criticality in multilayer MoS<sub>2</sub>

Byoung Hee Moon<sup>1,2</sup>, Jung Jun Baek<sup>1</sup>, Min-Kyu Joo<sup>1</sup>, Homin Choi<sup>1,2</sup>, Gang Hee Han<sup>1</sup>, Mampo Lim<sup>3</sup>, & Young Hee Lee<sup>1,2</sup>



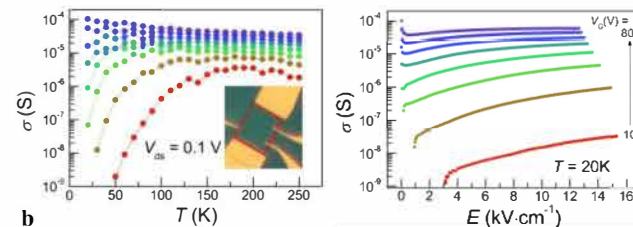
## 1.5 K



Anomalous Conductance near Percolative Metal-Insulator Transition in Monolayer MoS<sub>2</sub> at Low Voltage Regime

Byoung Hee Moon<sup>1,2,3</sup>, Jung Jun Baek<sup>1</sup>, Gang Hee Han<sup>1</sup>, Hyun Kim<sup>1,2</sup>, Homin Choi<sup>1,2</sup>, and Young Hee Lee<sup>1,2,3</sup>

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