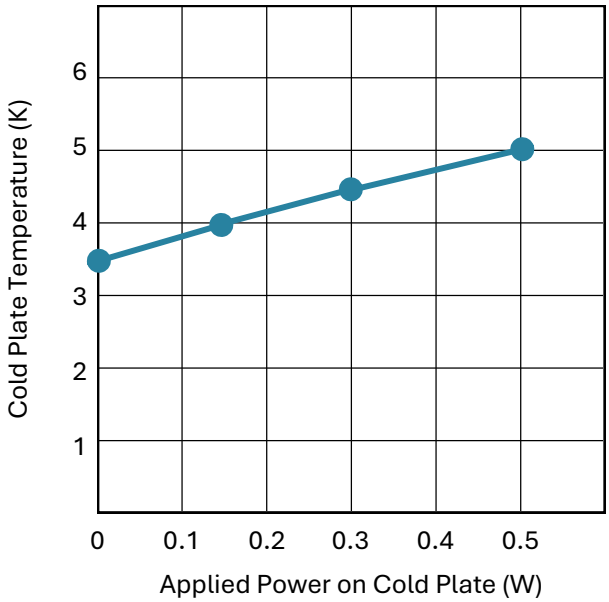
FOUR9 DESIGN

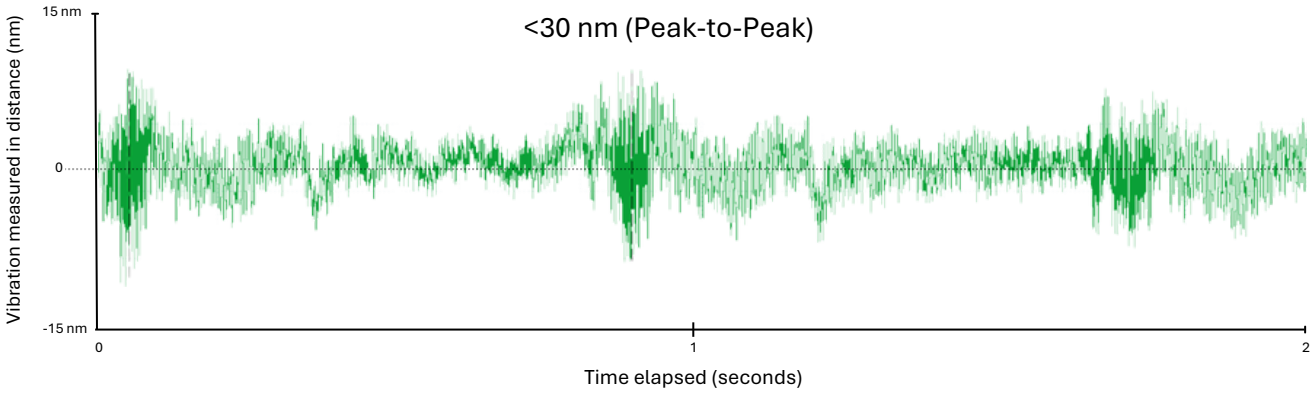
SIDEKICK

Specifications	SK 100	SK 300
Sample Space Dimensions		
Standard cold plate	Ø200mm	Ø200mm
Larger cold plate	n/a	Ø250mm
Standard chamber height *Increased chamber size available with customization	100mm up to 200mm	100mm up to 300mm
Thermal Performance*		
Base Temperature	< 4K	< 3.5K
Engineered Cooling Power	100mW @ 5K	300mW @ 5K
Typical Cooling Power	50mW @ 4.2K	250mW @ 4.2K
Vibration Performance**		
Cold plate vibrations (P-P) Mechanical energy of the cold head and pumps are dispersed into the floor and does not pollute the on-table hardware	< 15nm	< 30nm
Ultra-High Vacuum Performance***		
Typical vacuum	<5E-9 Torr	
Vacuum inside 4K shield	<1E-11 Torr	
System Control		
Temperature control channels	6	
Remote scripting	Yes	
Interfacing		
Configurable side panels	7	
Standard User Electrical Connections	24 DC	

*SK300 Typical Cooling Power on Sample Plate - Example Data



**SK300 Typical Vibrations - Example Data



***SK300 Typical Vacuum Plot - Example Data