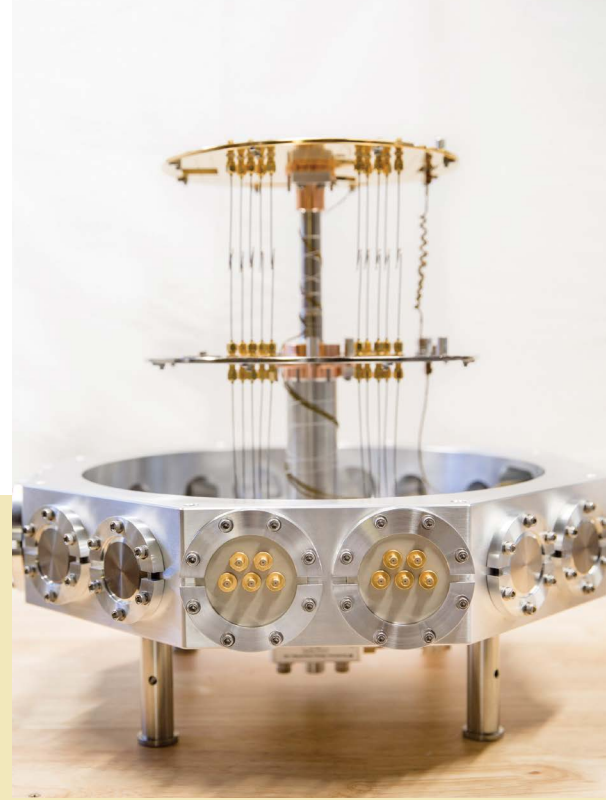
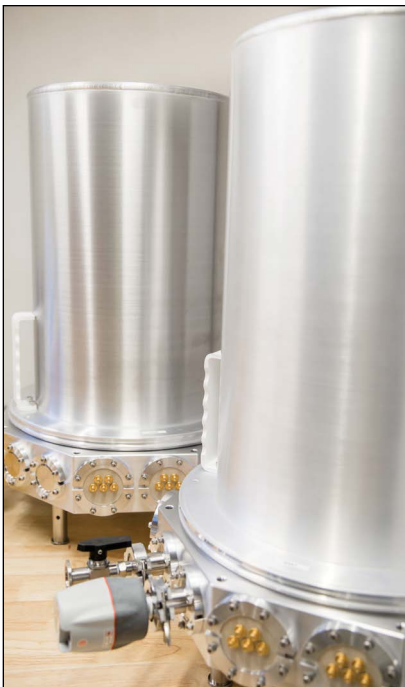


The Cryo-K is a line of versatile cryostats used primarily for non-optical, low-temperature experiments. These systems offer the most cryogenic work volume and option/geometry flexibility of anything available today and are highly customizable with many options. Interface ports are available at the base level for RF, DC, or fiber optic connections via the industry standard KF40 and KF50 side panels.

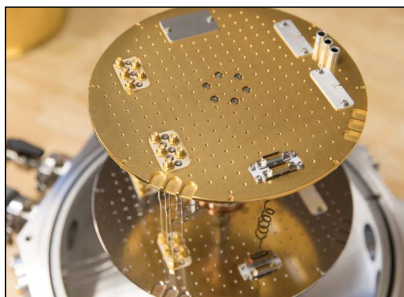


Model	Base Temp	Cold Plate Cooling Power
K200	2.8K	200mW@4.2K
K500	<3.0K	500mW@4.5K
K1000	<3.0K	1000mW@4.5K



KEY FEATURES

- 150-250mm diameter cold plate
- 40K radiation shield with optional windows
- 25 DC connections available to user, integrated and heat sunk at 4K cold plate
- Integrated turbo pump, roughing pump, and full-scale pressure gauge
- Integrated temperature sensors and heaters on cold plate, and radiation shield and 2 user channels



OPTIONS

Rapid warm-up: Adds 50W heaters to cooling stages for rapid warm-up. This expedites experimental cycle time.

RF connections: Up to 20 high frequency coaxial lines can be installed and heat sunk to the sample stage.

DC lines: With multiple KF style vacuum ports, hundreds of sample wiring connections can be made available at the sample stage. External connections via standard Micro D25 or D-sub style feedthroughs.

Fiber optics: FC or compression style available.

Optical ports: Available on request.

Sub 1K: We can integrate low temperature inserts of 0.1K or 0.3K depending on your cooling power requirements.

User controlled sample mount: Includes closed-loop heater and thermometer (Cernox) control. Thermally connected with passive thermal switch for quick temperature changes and low position drift between 4-350K.

ABOUT US

Four Nine Design makes robust cryogenic products to accelerate research and scientific achievement in the emerging quantum market. We can customize these solutions to meet unique requirements of our users. Our mission is to use our skills, resources, and capabilities to have a positive impact on the world.

