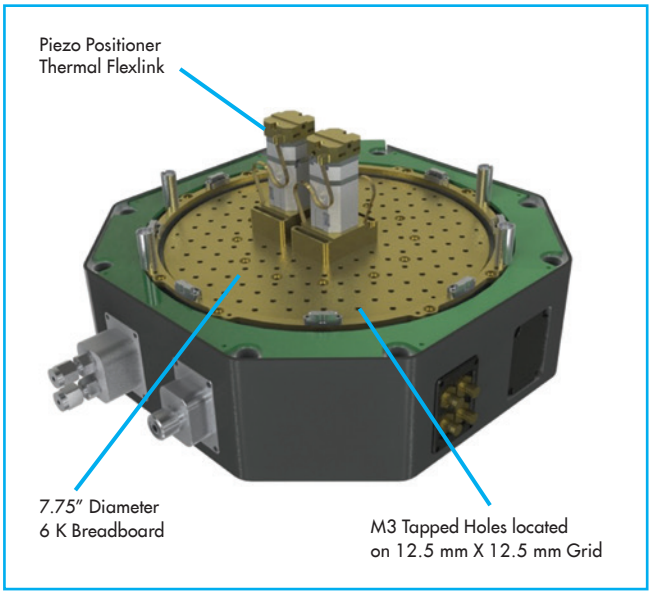
Cryostation with
Nanoscale workstation option

Overview

The Nanoscale Workstation provides an entire cooled breadboard platform for configuring your experiment. Designed with the same patent pending low vibration architecture of the Cryostation, this chamber now provides enough room to easily integrate multiple components right into the cold space.

A miniature breadboard at your fingertips

Imagine having the freedom to integrate a sample with multiple probes, nano-positioiners and free-space optics right onto the cold platform. In this way, the cold platform simply becomes an extension of the optical table.



Highlights

- Integrate multiple components on cold breadboard
- Low vibrations <5 nm peak to peak
- Temperature control 6 K – 350 K with 10 mK stability
- Breadboard with 12.5 mm grid of mounting holes
- 7 locations for thermal lagging to radiation shield
- Compatible with window options and sample mounts
- 196 mm diameter x 63 mm tall sample space
- 8 optical access ports

Optical access and base interfaces

Use any of the 7 radial and 1 overhead ports of optical access to the experiment. Overhead optical access can be configured for low working distance imaging. The versatile and spacious design allows for multiple RF and DC electrical, fiber optic and gas tube feedthroughs to be incorporated and thermally lagged for ease of use and high performance.