

## Protochips

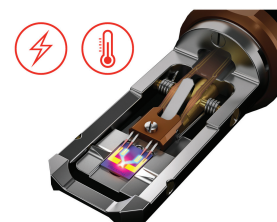
Protochips enables researchers who need to observe their samples *in situ* in liquid or gas environments, at atomic, or near-atomic resolution, transcending the limitations of the TEM/STEM vacuum environment and providing systems for dynamic observations. Whether material or life scientists characterizing physical and chemical properties of samples in their natural state, or life science researchers measuring their biological samples under cryogenic conditions for high contrast and imaging accuracy, Protochips' products are the best fit for their needs.

Founded in 2004 based on core sample support micro-fabrication technology, Protochips now has an extensive patent portfolio surrounding all aspects of producing *in situ* TEM and SEM systems capable of delivering high-resolution, quantitative information-rich images.

With over 600 publications, 280 products delivered, and over 1 million sample supports delivered to 24 countries, Protochips enables Quantifiably Better TEM/STEM dynamic observations.

- **Poseidon Select™**—Image samples and processes in liquid environments with Poseidon Select, the only *in situ* liquid cell holder approved by the major microscope manufacturers.
- **Atmosphere**—Delivering atomic resolution at 1000C and at pressures up to 1 atm, Atmosphere converts any TEM into a fully featured Environmental TEM for *in situ* research.
- **Fusion™**—Transform your TEM or SEM into an *in situ* laboratory with Fusion's heating and electrical biasing systems.
- **E-chips™**—Customize your *in situ* experiment with the dozens of configurations available with the extensive Protochips catalogue of E-chips.
- **Clarity™**—Set up *in situ* experiments in minutes and monitor results in real time using the powerful Clarity software suite.
- **C-Flat™**—Readily available and delivering reduced ice thickness for better contrast in Cryo TEM, C-Flat holey carbon film offers superior flatness and cleanliness.

At Protochips, we are fueled by continually pushing the boundaries of what's possible in the electron microscope. We are driven to help our customers see the unseen, make new connections and pursue innovations that deliver practical benefits in fields ranging from catalyst materials, batteries and semiconductors to structural biology and soft materials.



### How to find us

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