



News Release: For Immediate Release

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Quantum Design Announces OptiCool™ – A New Magneto-Optical Cryostat

SAN DIEGO, Calif. – February 7, 2018 – Quantum Design is proud to announce the introduction of their new 7 tesla magneto-optical platform. OptiCool is a new, revolutionary optical cryostat specifically designed to meet the stringent requirements of materials characterization experiments that harness light and other forms of radiant energy as a probe of matter. The innovative design of the OptiCool features eight ports (seven side + one top) that allow for optical access to samples from a wide array of directions. The highly integrated cryostat and magnet design puts the sample in the heart of the user's optical environment.

"We are incredibly proud of this new platform and the research team that developed it," stated Dr. Stefano Spagna, Chief Technical Officer. "Two seminal patents have been filed pertaining to the revolutionary OptiCool magnet design and vibration isolation system that were developed especially for this new cryostat to make sure that it would serve the interests of the optical community. OptiCool represents the best in Quantum Design innovation."

In early 2016, seeking to expand outside its traditional markets, the Quantum Design Board of Directors asked Dr. William Neils to bring together a hand-picked team of scientists to rapidly identify a new business opportunity for the company. The newly assembled Q-Works team, which also included senior scientists Randall Black and Dinesh Martien, carried out extensive market research, visits to research centers and trade shows, and interviews with selected scientists to gain insight into customer needs in new potential markets. For the past two and half years the Q-Works team has been working diligently and independently to create a truly revolutionary new product for the company and the marketplace.

"When we started this project, existing magneto-optical cryostats were in sore need of a makeover. We wanted to create a system where the user had access to their sample on the optical table. Starting with the magnet, we designed the OptiCool to be as open as possible. We also pushed the cooler off to the side, out of the way. This ensures your sample is accessible, not buried deep inside a bulky dewar. We are very appreciative of Quantum Design's Board of Directors who supported our vision, sanctioned the creation of the R&D team, Q-Works, and gave us the resources to create this great new product." – Dr. William Neils, Director of Q-Works, Quantum Design.

OptiCool follows in a long line of groundbreaking cryogenic instruments developed and manufactured by Quantum Design Inc. in San Diego, California.

About Quantum Design

Founded in 1982, Quantum Design Inc. is a privately held corporation that develops and markets advanced technology cryogenic systems and instruments for the scientific community. Quantum Design is widely recognized as the leading commercial source for integrated laboratory analytical systems incorporating superconducting technology. In addition, through its strong R&D focus and direct foreign offices in the world's major technology markets, Quantum Design International has developed a worldwide distribution channel for its own industry leading instruments as well as for research-based instruments developed by other technology leaders.