

Press Release

NanoScience
Tubney Woods, Abingdon
Oxon OX13 5QX, UK
Tel: +44 (0) 1865 393200
Fax: +44 (0) 1865 393333
Email: nanoscience@oxinst.com
www.oxford-instruments.com



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Oxford Instruments delivers its 50th Cryofree® dilution refrigerator during its 50th Anniversary Year.

In 2009, Oxford Instruments not only celebrated 50 years of continuous commitment to science and innovation but also shipped its 50th Cryofree dilution refrigerator. This further demonstrates our position as the market leader of Ultra-Low-Temperature equipment. Cryofree dilution refrigerators allow you to cool samples to temperatures below 10 mK without the need for liquid helium. Extensive and rapid development of this new technology with high performance to suit demanding Ultra-Low-temperature applications has delivered great success. We have received orders for more than 60 systems, with very positive feedback from our customers.

Professor GAO Jie, Member of the Chinese Academy of Engineering, Laboratory of Mesoscopic and Low-Dimensional Physics, College of Physical Science and Technology, in Sichuan University, China commented: "Our Cryofree dilution refrigerator was delivered four months after placing an order. The installation went very smoothly and the base temperature and cooling power of the insert exceeded the contract specifications. We are delighted with the level of support we got from Oxford Instruments division in China and with the performance of the system. We found that the mechanical and electrical noise levels were very low. We were able to perform highly sensitive measurements at pA current level with no readily perceivable interference from the Cryofree dilution refrigerator."

Cryofree dilution refrigerators can now be integrated with Cryofree magnet systems with magnetic field (up to 15 T) all within the same cryostat. Having an integrated system means the system can be run from one single pulse tube cooler saving on running and maintenance costs and limiting the noise.

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Issued for and on behalf of Oxford Instruments NanoScience

For further information and electronic copies of the images please contact:

Sophie Walker
Marketing Communications Manager
Oxford Instruments NanoScience
e. sophie.walker@oxinst.com
t. +44 (0)1865 393349
f. +44 (0)1865 393333

Notes to editors

About Oxford Instruments NanoScience and Oxford Instruments plc.
Internationally recognised as world leaders in superconductivity and ultra low temperature cryogenic environments, Oxford Instruments NanoScience is driving innovation in these fields. The company's leading-edge technologies support research in nanotechnology, solid state and condensed matter physics. Combining outstanding technical expertise, original thinking and a commitment to meeting customers' needs, Oxford Instruments NanoScience enables real advances both in research and commercial applications by providing the high

quality technological environments needed to meet demanding experimental requirements. Oxford Instruments NanoScience is part of the Oxford Instruments plc group.

Oxford Instruments aims to pursue responsible development and deeper understanding of our world through science and technology. We provide high technology tools and systems for industrial and research markets, based on our ability to analyse and manipulate matter at the smallest scale. Innovation has been the driving force behind Oxford Instruments' growth and success for over 50 years, and its strategy is to effect the successful commercialisation of these ideas by bringing them to market in a timely and customer-focused fashion.

The first technology business to be spun out from Oxford University over fifty years ago, Oxford Instruments is now a global company with over 1,300 staff worldwide and a listing on the London Stock Exchange (OXIG).

Our objective is to be a leading supplier of next generation tools and systems for research and industry. This involves the combination of core technologies in areas such as low temperature and high magnetic field environments, Nuclear Magnetic Resonance, X-ray electron and optical based metrology, and advanced growth, deposition and etching. Our products, expertise, and ideas address global issues such as energy, environment, terrorism and health and are part of the next generation of telecommunications, energy products, environmental measures, security devices, drug discovery and medical advances.