



Quantum Design
UK AND IRELAND

Leading the way in Scientific Instrumentation



About Us

Quantum Design UK and Ireland is part of the Quantum Design International (QDI) group. QDI is a global laboratory equipment manufacturer. The company distributes scientific and industrial instrumentation through an international network, with subsidiaries in every major technological centre around the world. QDI's success in distributing scientific products comes from more than 30 years' experience in manufacturing and distributing its own industry-leading materials characterisation systems.

"We are committed to continued development within the scientific and research community and handpicking the best solutions for customers. We are known for our industry-leading workshops, our decades-long relationships with suppliers and customers. We're really proud of our passion for problem solving. Our team always works diligently to meet whatever challenge you face."

David Want
MANAGING DIRECTOR



1982 - 1986

QD established to design and develop cryogenic and SQUID-based instruments. MPMS launched - the only company in the world manufacturing a SQUID magnetometer at this point.

1994 - 1998

First PPMS produced. Heat capacity option and Evercool option for the PPMS and new MPMS-XL.

2003 - 2006

First PPMS-VSM shipped. QD Europe launched. QD Korea subsidiary opened.

2007 - 2008

SQUID-VSM launched.

2008 - 2013

Versalab and DynaCool launched. QD India, QD South America and QD Taiwan opened.

2016

QDI HQ moves to San Diego. Dr. Michael Simmonds, (co-founder) received IEEE Award for Continuing Contributions in the Field of Applied Superconductivity.

2017 - 2018

OptiCool launched, wins R&D100 in the category of Analytical/Test. QD Singapore opened.

2019

QDI acquires GETec, an Atomic Force Microscopy instrumentation company. QDI launches first World Helium Conservation Day.

2020

QD introduces next generation of helium liquefiers and helium recovery systems.

2022

QD introduces FusionScope - combining the complementary strengths of AFM and SEM like never before.



Cryogenic Systems and Components

The partnerships between QD, Lake Shore Cryotronics/Janis, Montana Instruments, NanOsc and Renaissance Scientific, combines the knowledge and application expertise of these industry leaders in cryogenics

Cryostats



Materials Property Characterisation Systems



Cryogenic Probe Stations



Measurement Upgrades



Helium Recovery Systems



Components

- Temperature monitors, controllers and sensors – including flight qualified
- Magnetic sensors, teslameters and fluxmeters

Microscopy and Spectroscopy Systems

We offer a number of products to enhance your Microscopy and Spectroscopy capabilities. Our team has many years of experience with Spectroscopy and Microscopy applications and we can discuss with you your research needs and provide the best solution to match your experiment.

Spectroscopy



Synchrotron Grade
MicroXAS Modular
Laboratory system



Synchrotron Grade
MicroXRF Modular
Laboratory system



Benchtop MicroXRF –
Largest chamber volume



Microscopy



Synchrotron Grade MicroCT
Modular Laboratory system



Correlative AFM/SEM
Standalone multimodal



Correlative Upgrades



Nanoprecission
Diffraction



AFM head



SEM/EDS/XRF



SEM/EDS
packages



X-ray Tubes and
components



Light Measurement Systems and Components

Quantum Design UK and Ireland supplies a wide range of standard off-the-shelf optical filters as well as custom parts for specific applications or requirements. Plus, interferometers for optical metrology. The range includes highly accurate, industry leading light measurement systems for a broad range of markets and applications.

Interferometers



Polarisers



Optical Coatings and Filters



Ellipsometers

Quantum Design UK and Ireland offers a wide range of spectroscopic ellipsometers, optimised for your particular application.



Imaging Cameras

We have teamed up with the world leaders in each specialism to provide an extensive range of imaging cameras, including thermal imaging, high speed, SWIR, CCD and EMCCD and X-Ray Cameras. We welcome the opportunity to discuss your requirements in further detail.

Thermal Imaging Cameras

INFRATec.



Hyperspectral Imaging Cameras

SPECIM

A Konica Minolta Company



Photonics Cameras

Raptor
photonics



High Speed Cameras

CORDIN
SCIENTIFIC IMAGING



Service and Support

Technical Service & Application Support for Physical Property Measurement, Magnetometer, Optical Cryostats and Cryogenic Systems.

Our factory trained engineers hold years of experience in both application and service. We provide helpful advice and together with you, find individual solutions for your particular service/application requirements.

The UK Service Department offers fast front line local support to users within the UK and Ireland.

We offer helpful advice and can work with you to find individual solutions to your particular application.

Working in collaboration with our worldwide service colleagues we offer:

- System installations and user training
- Spare parts and accessories
- System calibrations
- Instrument relocation assistance
- Ongoing system support





Quantum Design UK and Ireland are one of the leading
distributors of high-tech instrumentation and consumables
for scientific, academic and industrial research.



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