

**One of the leading European
distributors of high-tech
instrumentation for scientific,
academic and industrial
research.**



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Quantum Design

UK AND IRELAND

Keeping you at the forefront
of the quantum revolution



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	↔	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
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1986		
1994	↔	First PPMS produced. Heat capacity option and Evercool option for the PPMS and new MPMS-XL. QD Japan subsidiary opened
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1998		
2003	↔	First PPMS-VSM shipped. QD Korea subsidiary opened. SQUID-VSM launched
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2006		
2007	↔	QD Europe launched
2008		
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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	↔	OptiCool launched, wins R&D100 in the category of Analytical/Test and QD Singapore opened.
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2018		
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

Dry, Wet and Optical Cryostats [Custom-build also possible]

OptiCool Magneto Optical Cryostat



CryoAdvance Configurable Closed Cycle Optical Cryostat



Materials Property Characterisation Systems

Lakeshore – Electromagnet based systems



Quantum Design – Superconducting magnet based systems



Probe Stations and custom built low temperature options

Cryogenic Probe Stations



STVP-200 NMR Cryostat



Accessories

CryoFMR Spectrometer



MB1 Synchronous current and voltage source measure system



Helium Liquefiers



Components

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

Microscopy and Spectroscopy Systems

The partnerships between QD, Sigray inc, IXRF Systems Inc., Moxtek Inc and Nanomegas SPRL combines the knowledge and application expertise of these industry leaders in Microscopy and Spectroscopy

Spectroscopy

Synchrotron Grade MicroXAS
Modular Laboratory system



Synchrotron Grade MicroXRF
Modular Laboratory system



SIGRAY

Benchtop MicroXRF – Largest chamber volume



IXRF
SYSTEMS

Microscopy

Synchrotron Grade MicroCT
Modular Laboratory system



SIGRAY

Correlative AFM/SEM
Standalone multimodal



**fusion
scope**

Integrative Systems

Nanoprecision Diffraction



NanoMEGAS
Advanced Tools for electron & X-ray

AFM head



QuantumDesign
MICROSCOPY

SEM/EDS/XRF



IXRF
SYSTEMS

X-ray Tubes and components



MOXTEK

Optics and Optical Metrology, Light Detectors

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



4D Technology
An Onix Innovation Subsidiary

Light Filters



Polarisers



Optical Coatings and Filters



Light Detectors



Ellipsometers

Quantum Design UK and Ireland also 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 a 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 details.

Thermal Imaging Cameras

INFRAtec
MADE IN GERMANY



Photonics Cameras

Raptor
photonics



Imaging Cameras

SPECIM
A Roda & Winkler Company



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 are backed by our extensive and experienced European Service Department, based in Darmstadt Germany, and by our US Service Department and Factory Engineers, based in the Quantum Design Headquarters in San Diego, California. 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
- Test and sample measurements, from either our Darmstadt or San Diego applications laboratories
- Ongoing system support

