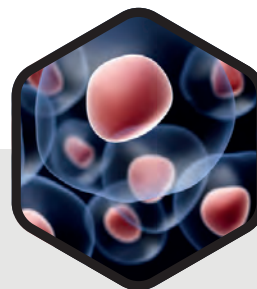
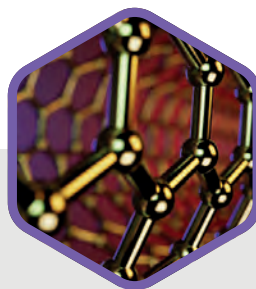
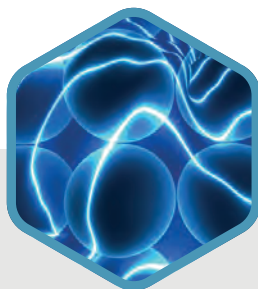




Quantum Design

UK AND IRELAND



Product Guide

Keeping you at the forefront
of scientific research.

MATERIALS & CHEMICAL RESEARCH

QUANTUM TECHNOLOGIES

ENERGY STORAGE & GENERATION

NANOTECH, DATA & SEMICONDUCTORS

EXPAND YOUR LAB'S CAPABILITIES

Quantum Design

Quantum Design (QD), founded in 1982 in San Diego, is a global leader in automated materials characterisation systems supporting research in physics, chemistry, biotechnology, materials science and nanotechnology. Through its strategic integration of Quantum Design Oxford, founded in 1959, QD now offers colder, sub-Kelvin temperatures and higher magnetic-fields to deliver comprehensive, end-to-end research solutions.

QD instruments are found in the world's leading research institutions and have become the reference standard for a variety of magnetic and physical property measurements. QD instruments are cited in, and provide the data for, more scientific publications than any other instrument in the fields of magnetics and materials characterisation. This means that each year, literally hundreds of scientific publications, advancing the science of materials, use data generated from QD instruments.

Strategic Partnerships

An essential part of providing scientific solutions to researchers around the globe is to also offer state-of-the-art instruments from other leading manufacturers. These manufacturers are chosen by QD not only for their innovative products, but also because they believe in the same level of customer satisfaction and support that scientists have come to expect from QD products worldwide.

www.qd-uki.co.uk



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Discover

Physical Property Measurement Systems

The Quantum Design PPMS[®] family represents a unique concept in laboratory equipment: open architecture, variable temperature-field systems designed to perform a variety of automated measurements. Any PPMS platform can be used with specifically designed measurement options or easily adapted to integrate into your existing experimental setup.

PPMS[®] DynaCool[®]

- 9 T, 12 T or 14 T conduction-cooled superconducting switch-less magnet system
- Built-in cryopump
- Continuous low temp control, precise field and temperature sweep modes
- 1.8 K – 400 K



PPMS[®] VersaLab[®]

A portable, cryogen-free, cryocooler-based material characterisation platform. With a temperature range of 50 to 400 K, this 3 T platform is perfect for accomplishing many types of materials characterisation in a limited space, with no requirements for cryogenic liquids or high-power infrastructure. This platform is the perfect combination of teaching and research measurement platform for physics education and student laboratories.



Measurement Options

- Electric Transport (AC and DC)
- Magnetometry (VSM, AC Susceptibility, Torque)
- Thermal Measurements (Heat Capacity and Thermal Transport)
- Dilatometry
- Sub-Kelvin capabilities (He3, DR, ADR)
- Broadband FMR Multifunction probes for custom experiments



Discover

MPMS®3 SQUID Magnetometer

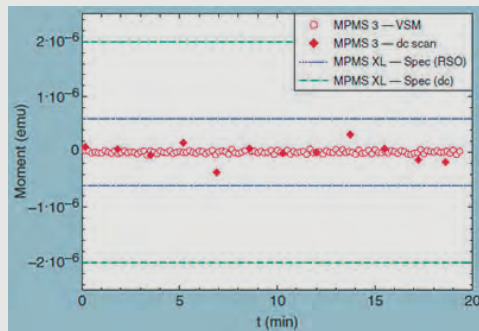
Quantum Design's MPMS 3 represents the culmination of 40 years of development and design in the world of SQUID Magnetometry. The MPMS 3 combines SQUID (Superconducting Quantum Interference Device) sensitivity with multiple measurement modes, delivering exceptional magnetic research performance while retaining the trusted features researchers rely on.

Features

- SQUID Sensitivity
- 7 T magnet QuickSwitch technology
- Maximum ramp rate: 700 Oe/sec
- Temperature range: 1.8 – 400 K
- 300 to 1.8 K in 25 min. (typical)
- Multiple Measurement Modes
- Cryogen-free with EverCool®

Measurement Options

- AC Susceptibility (0.1-1000 Hz)
- Ultra Low Fields (Field resolution <0.002 G)
- Sub-Kelvin Capabilities (0.42 – 1.8 K)
- High Temperatures (315-1000 K)
- Electrical Transport and Voltage Biasing
- In-situ sample rotation
- Photomagnetism
- High Pressure



The MPMS 3 provides the lowest noise floor ever available in a Quantum Design SQUID magnetometer (both for DC Scan and SQUID-VSM measurement modes). MPMS 3 noise data was collected at full field on an EverCool equipped system with the cold head running.

Discover

NanOsc FMR Spectrometers

The NanOsc Instruments line of broadband ferromagnetic resonance (FMR) spectrometers offer a simple turn-key solution to the burgeoning field of magnetodynamics research. Measurements over a wide frequency range (up to 60 GHz) enable significant improvements in accurately extracting a variety of material parameters not accessible by static measurement techniques. Broadband FMR and spin-torque FMR are particularly well-suited for studying magnetic thin films and devices, respectively. These not only form the backbone of fundamental spintronics and magnonics research but are also constituents of current and future technologies focused on magnetic memories, sensors, and logic.



Features

- Broadband FMR spectroscopy in the range 2 - 60 GHz
- 10 – 350 K temperature range
- Magnetic Field +/- 3, 9, 12, 14, 16T



Compatible with the PPMS DynaCool and PPMS VersaLab.

Discover

TeslatronPT Plus Low Temperature Measurement System

The TeslatronPT Plus is Quantum Design Oxford's open architecture Cryofree low temperature measurement system. TeslatronPT Plus measurement capabilities include low and high resistance, Hall effect in Hall bar and van der Pauw geometries, and I-V characterisation. These enable critical characterisation and investigation of fundamental materials physics – for example, the quantum Hall effect and Mott insulator transition in 2D materials, strongly correlated systems, superconductors,[®] topological insulators, and spintronics.

Magnetic Field Options:	8 T, 12 T, 14 T and 6/1/1 Vector Rotation
Sample Space Diameter:	50 mm
Temperature Range:	1.5 to 300 K
Temperature Stability:	± 50 mK
Sample Cooldown:	< 2 h from room temperature to 2 K for basic sample probe loaded into cold VTI



Characterise

Molecular Vista Photo-induced Force Microscopy

Offering the highest resolution nanoscale chemical analysis instruments available. Perform chemical analysis on smaller volumes than ever before. PiFM allows fast and automated nano scale material analysis with minimal setup between samples.



- Exceptional Spatial resolution in Chemical Mapping
- Excellent sensitivity
- Good correlation between PiFM and conventional IR spectra
- Universal sample applicability
- Hyper-spectral Nano-IR imaging
- Exceptional ease of use

Features

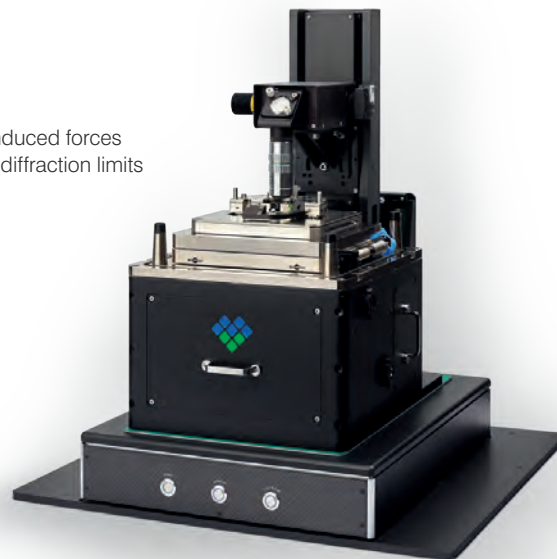
- PiFM: Combines atomic force microscopy with infrared lasers to measure photo-induced forces
- High Resolution: Offers spatial resolutions down to 5 nm, far exceeding traditional diffraction limits
- Non-Contact Mode: Operates without damaging sensitive samples

Key Microscopes

- Series Vista 300: Advanced automated system built for samples up to 300 mm
- Vista 200: Tailored for semiconductor wafer and photomask analysis
- Vista 75 / One: Compact, versatile systems for multi-mode spectro-nanoscropy

Applications

- Biological
- Inorganic
- Nanophotonics
- Polymer
- Semiconductors
- Foreign Particle Contamination Detections



Characterise

Lake Shore Model 8600 VSM

The 8600 Series vibrating sample magnetometer raises the bar for magnetometer performance and convenience. These VSMs combine high sensitivity (15 nemu), rapid measurement speed (10 ms/pt), and simple operation for more accurate measurements, faster.



Lake Shore MAG-RS

The ultimate customisable system for scientific research. This system allows you to take multiple types of measurements using a single electromagnet. Whether you need to work at room temperature, heat your samples up to 1000°C, or cool them down to 1.5 K, the MagRS has you covered.



Lake Shore Cryostats

The range includes cryogen-free, liquid-helium and liquid-nitrogen cryostats. Choose from continuous flow or reservoir cryostats, with many application-specific designs available.



Lake Shore Cryotronics for Hall Effect and Sample Mobility Measurements

MeasureReady® M81-SSM

Provides AC and DC simultaneous source and measurement capabilities for characterising material and devices in cryogenic environments. Eliminates the need to reverse the magnetic field during your measurements and perform measurements faster.



MeasureReady® M91 FastHall™

All-in-one Hall analysis instrument featuring patented technology that eliminates the need to reverse the magnetic field during your measurements.



Both compatible with PPMS DynaCool, PPMS Versalab, OptiCool, and Teslatron PT Plus.



Characterise

J.A. Woollam Spectroscopic Ellipsometers

J.A. Woollam ellipsometers are advanced spectroscopic instruments that measure thin-film thickness and optical properties by analysing changes in light polarisation. Their range includes research, production, and in-situ monitoring systems, enabling precise characterisation of coatings, semiconductors, displays, optical materials, and nanostructures.

Features

- Wide spectral range
- High-sensitivity to ultra-thin films
- Non-destructive characterisation
- Highly accurate measurement

Applications

- Physical Sciences
- Semiconductor
- Data Storage Solutions
- Flat Panel Display
- Communication
- Biosensors
- Optical coatings
- Thin Films



ELDICO Scientific ED-1 Electron Diffractometer

The ELDICO ED-1 utilises the latest advanced analysis techniques to accurately measure samples that have historically been prohibitive – including nanocrystalline powders and phase mixtures.

Features

- Hybrid pixel detector for fast acquisition
- Low dose for beam-sensitive materials
- Octagon for custom in-situ attachments



Test

Optical Cryostats for Spectroscopy

Our **Optistat** range of optical cryostats provide cryogenic sample environments with a variety of design and performance characteristics. Available with liquid Nitrogen (LN2), liquid Helium and Cryofree® technologies, sample in vacuum and sample in exchange gas systems, with sample temperatures from < 2.3 K to 500 K. The Optistat range offers some of the most efficient and cost-effective cryostats for Optical Spectroscopy, ideally suited to optical table-based experiments or integration with 3rd party spectrometers.

Applications

- Raman Spectroscopy
- Photoluminescence
- Ultraviolet-Visible Spectroscopy
- Infrared / FTIR / THz
- Fluorescence Spectroscopy
- Photoreflectance



OptistatDN



OptistatDry TLEX

Optical Cryostats for Microscopy

Our **Microstat** range of optical cryostats provides cryogenic sample environments with a variety of design and performance characteristics. Available as liquid Nitrogen and liquid Helium flow cryostats with sample-in-vacuum environment and sample temperatures from < 2.2 K to 500 K. The Microstat range offers some of the most efficient and cost-effective cryostats for Optical Microscopy. They are equally suited to work in any orientation on an optical bench or integrated into a commercially available microscope.

Applications

- Ultraviolet-Visible Spectroscopy
- Magneto-Optical Kerr Effect
- Raman Spectroscopy
- Micro-Photoluminescence
- Micro-FTIR
- Fluorescence Spectroscopy



MicrostatHe

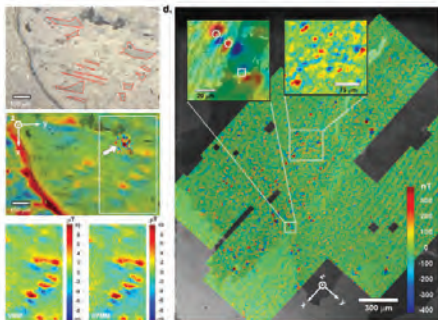
Test

EuQlid Quantum Diamond Microscope

The Quantum Diamond Microscope by EuQlid offers state of the art, wide-field imaging of magnetic fields, with applications spanning geoscience, bioimaging, electronics, materials characterisation, and quantum research. It accomplishes this by using a quantum-grade diamond sensor doped with an ensemble of nitrogen vacancy defects to image the magnetic properties of samples.

Features

- Wide field of view 4 x 4 mm²
- Sensitivity to nanotesla
- Field vector measurements in addition to field intensity
- Spatial resolution $\leq 1 \mu\text{m}$
- Magnetic and optical correlative measurements



Imaging of a geological sample using a quantum diamond microscope.
Reproduced from GGG, Vol. 18, Iss. 8, 3254-3267 (2017). DOI: 10.1002/2017GC006946.

Specim FX50

The only hyperspectral camera available on the market covering the full MWIR spectral range of 2.7 – 5.3 μm required to sort black plastics. High spatial resolution allows 300 kg of 2x2 cm plastic flakes to be sorted per minute.



Features

- Full MWIR spectral range
- Robust and compact design
- High frame rate and signal-to-noise ratio
- Easy integration
- Optimised thermal management
- Unified spectral calibration



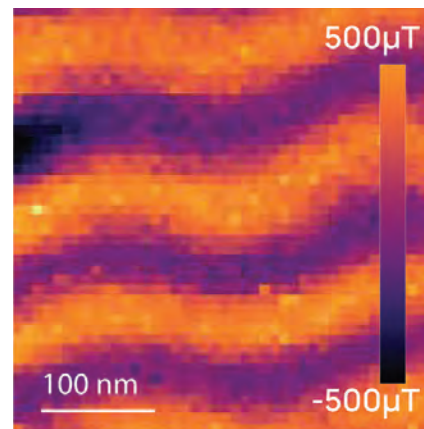
Test

Qnami ProteusQ Scanning NV Microscope

The Qnami ProteusQ™ is the premier platform for quantitative nanoscale magnetometry, providing non-invasive magnetic field mapping with unmatched precision. Built on a high-performance AFM, it serves as a versatile hub that integrates Scanning NV quantum sensing into a turnkey system for advanced materials research and device metrology.

Features

- Sub-50 nm resolution with single-spin sensitivity
- Patented Quantilever™ technology with shallow NV implantation depth for highest resolution
- Stable optical design and closed loop stages
- Operando / environmental modules with directional magnetic bias field, specialised temperature stages, DC and RF sample holders and uniaxial strain cells
- Dedicated quantum control electronics with advanced pulsing capabilities
- True multimodal hub beyond SNVM seamlessly integrate PFM, MFM, c-AFM etc.



BiFeO₃ (full-B)

NV-fluorescence quenching mode

Proteox®S

The ProteoxS is the most compact of the Proteox dilution refrigerator family, ideal for electron transport measurements and quantum device experimentation.

Features

- 200 mm diameter experimental stage at 10 mK
- 20 hours from room temperature to < 20 mK (without magnet)
- Superconducting magnet options: 12 T solenoid or 6/1/1 T vector
- Bottom-loading rapid sample exchange mechanism enables swapping samples with the system cold: 8 h cool-down time



Proteox®5mK

The Proteox5mK is the world's coldest commercial dilution refrigerator, designed for advanced quantum physics.

Features

- 5 mK base temperature guaranteed – confirmed using primary thermometry
- 360 mm diameter experimental stage at 10 mK with centrally positioned dilution unit for easy experimental access
- Widest temperature range – up to 30 K with the magnet at full field
- Compatible with integrated superconducting magnets up to 14 Tesla



Proteox®MX

The ProteoxMX is the most versatile 10 mK dilution refrigerator, configurable for quantum computing or physics research applications.

Features

- 360 mm diameter experimental stage at 10 mK – 50% more sample area than the equivalent competing system
- Up to 140 SMA coaxial lines and fully configurable side-loading secondary insert
- Compatible with integrated superconducting magnets up to 14 T solenoid or 6/1/1 – 9/1/1 T vector
- Bottom-loading rapid sample exchange mechanism enables swapping samples with the system cold: 8 h cool-down time



Proteox®LX

ProteoxLX is a quantum computing platform designed for and with capacity for scalable qubit architectures. The largest of our standard range. Multiple secondary wiring inserts with full backwards and forwards compatibility between ProteoxMX ↔ Proteox LX ↔ ProteoxQX.

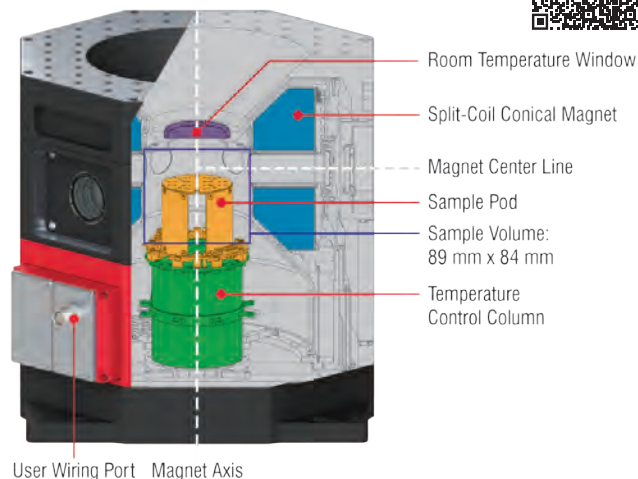
Features

- 530 mm diameter experimental stage at 10 mK
- Simplified integration with two configurable secondary inserts
- Capacity for 256 SMA coax lines
- Centrally positioned dilution unit for easy access



OptiCool® - High Performance Optical Cryostats

The cryogen-free OptiCool platform leverages Quantum Design's 40+ years' experience in engineering and manufacturing automated temperature and magnetic field control systems. With fully automated cooldown and seamless temperature control through the range of 350 K to 1.7 K, the OptiCool platform also has the low vibration and stability that is critical to optical measurements. OptiCool's innovative sample pod technology allows users to build customised set-ups for optical measurements outside the machine while the main instrument is still working. The platform has multiple magnetic field options, as well as custom wiring setups, side window options, bottom optical access, and more.



OptiCool® Flex	OptiCool® 7T	OptiCool® Vector
No Magnetic Field	7 T Split-Coil Conical Magnet	4-1-1 Vector Magnet
8 Optical Access Ports: • 7 Side Ports (NA > 0.11)		5 Optical Access Ports: • 4 Side Ports
1 Top Port (NA > 0.7) and Optional Bottom Port		
Temperature Range: 1.7 K to 350 K		
Low Vibration: <10 nm peak-to-peak		
75 mm x 200 mm Volume	84 mm x 89 mm Sample Volume	
Automated Temperature & Magnet Control		
Cryogen Free		

Window Options

- 3 mm working distance
- Internal microscope mounting
- Large top-volume housing
- Bottom access window

Wiring Options

- DC twisted pairs
- RF coax
- Nanopositioner wiring

Applications

- Colour Centres (e.g. Diamond NV)
- Quantum Optics
- 2D Materials
- Spintronics
- AFM/Microscopy
- Moke
- Raman
- Magneto-excitons
- Spectroscopy

Montana Instruments Cryostats



Montana Instruments cryostats provide the ultra-stable, low-vibration cryogenic environments required for cutting-edge quantum technology research. Widely used in quantum computing, quantum photonics, quantum sensing and advanced materials studies, these closed-cycle systems enable reliable testing and characterisation of quantum devices, single-photon emitters, colour centres and qubit technologies at cryogenic temperatures. Combining exceptional optical access, temperature stability and experimental flexibility, Montana Instruments cryostats help researchers accelerate the development of next-generation quantum hardware and quantum-enabled technologies.

Features

- Push button cooldown
- 3.2 K to 350 K
- Control and monitor system remotely

Applications

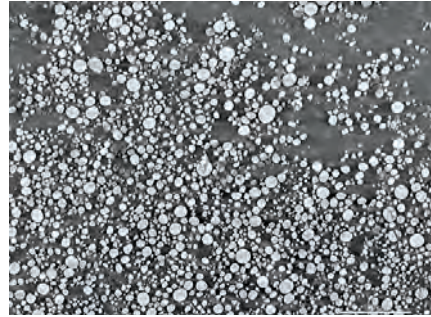
- Quantum Computing
- Quantum Networking
- Quantum Research



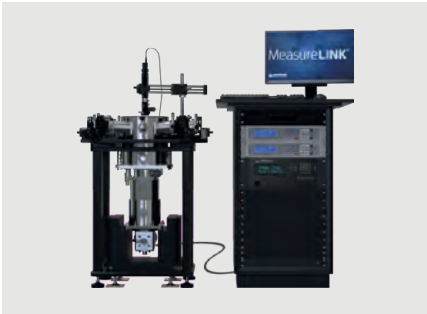
Thermal Wave Imaging EchoTherm



Sigray X-ray Microscopy and Spectroscopy



Lake Shore CRX-VF Cryogenic Probe Station



InfraTec ImageIR 6300 Camera



FusionScope® Correlative AFM with SEM + EDS Microscopy Platform

Quantum Design's FusionScope integrates high-resolution AFM with SEM imaging and EDS elemental analysis in a single correlative platform. A shared coordinate system automatically aligns AFM, SEM, and EDS data, enabling fast, repeatable region-of-interest (ROI) targeting and precise probe placement within one unified software interface.

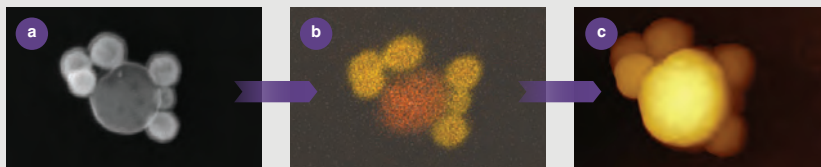


Correlative Workflow



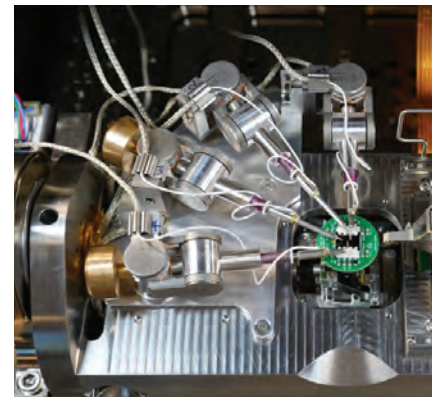
Applications

- AFM with EDS Analysis
- Nanostructure and Nanoparticles
- Thin Film and Coating Analysis
- Geological Samples
- 2D Materials
- Samples with Complex Geometries



Case Study: Nanoparticles

Nanoparticles FusionScope's correlative workflow enables rapid nanoparticle characterisation by combining SEM for size (a), EDS for elemental composition (b), and AFM for topography and roughness (c)—on the same ROI. Mixed iron oxide and gold-coated nanoparticles were identified, measured, and distinguished in a single, repeatable workflow.



AFSEM® nano In-situ AFM in your own SEM

Features

- Fits most SEM chambers without obstructing the electron beam, detectors, or standard sample holders
- Enables in-situ AFM measurements on full wafers, large or irregular samples, soft/biological materials, and fracture surfaces
- Compatible with standard SEMs, FIB-SEMs, and Cryo- SEMs, including full compatibility with EDS, EBSD, nanoprobers, and cryo stage options amongst others
- Provides high-precision AFM measurements of step heights and trench depths for accurate FIB cutting-rate evaluation
- Supports 3D subtractive tomography and AFM inspection of nanoindentation and micromachining using SEM-defined regions of interest
- Installs in minutes with no permanent modifications and operates independently outside the SEM for in-air AFM measurements



InfraTec E-LIT Semiconductor Testing Solution

Features

- Online lock-in measurement with the highest sensitivity
- Automatic scanning of larger samples due to precision mechanics
- Geometrical resolution up to $1.3 \mu\text{m}$ per pixel with microscope lenses
- Complete and detailed microscopy analysis
- Thermal resolution in the microkelvin range
- Multi-layer analysis



Single Crystal Furnaces

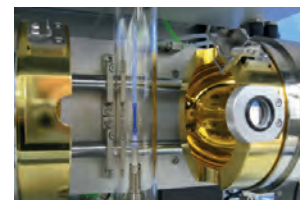
Quantum Design IR Image Furnace

The high-performance, compact IR Image Furnace from Quantum Design offers unsurpassed performance in a convenient, stand-alone design. Rivalling much larger and more costly IR furnaces, it uses the Floating Zone (FZ) method to promote single crystal growth from a polycrystalline rod. Synthesise superior quality single crystal specimens in your own laboratory. Maximum Temperature: 2100°C.



Quantum Design Laser Furnace

The Quantum Design laser-based floating zone (L-FZ) furnace is a novel system based on technology developed by the RIKEN CEMS institute in Japan. Most importantly, materials unable to be grown by more traditional floating zone methods are now possible with a maximum temperature of 3000°C.



NanoMEGAS Precession Electron Diffraction

Based on Precession Electron Diffraction (PED), NanoMEGAS offers several automated and robust unique applications. A hardware (DigiSTAR P2010) to control specifically the coils of any TEM, is a scan and precession generator simultaneously, that is used either for static acquisition of ED, or scanning ED, suitable also for precession enhanced 4D-STEM (named 4D-SPED).



Applications

- Orientation & Phase Mapping
- Strain Mapping
- Electric Field Mapping
- Precession Enhanced 3D-ED for crystal structure determination
- Electron Pair Distribution Function (ePDF) for amorphous materials characterisation
- Electron Pair Distribution Function (ePDF) Mapping
- Enhanced EELS and EDX Spectroscopy



NexGen Liquefiers and ATP30 Purifier for Helium Recovery and Liquefaction

Quantum Design's liquefiers and helium recovery systems allow you to recycle the helium gas currently being lost from the normal boil off and helium transfers of your cryogenic instruments. Whether you have a large laboratory or small, with many cryogen-using instruments or just one, Quantum Design has a helium recycling option perfectly suited for you. Helium recycling systems can be individually configured for a variety of laboratory sizes and types. All recycling systems have fully integrated components with most functions being automated or very easily operated.

NexGen Liquefiers

- Easy-to-see, fully automated operation
- Portable liquefiers for easy transfers
- 250 litre capacity allows larger transfers!
- Liquefies 25 liquid litres a day, so it is ready when you need it



ATP30 Purifier

- Helium purity > 99.9995%
- Freeze out impurities
- Ensures highest liquefaction rates
- Easy operation and regeneration



4D Technology Optical Metrology

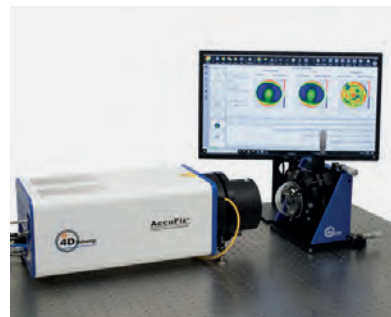
Interferometers, Optical Profilers

- High-precision 3D surface metrology with sub-nanometre vertical resolution
- Instantaneous, vibration-robust measurements using Dynamic Interferometry® technology
- Measures optics of almost any shape or finish, including flats, spheres and freeform surfaces
- Non-contact inspection for fast, accurate quality control and optical component testing
- Supports R&D and manufacturing with automated analysis, repeatable results and rapid throughput



Applications

- Aerospace
- Aviation
- MRO
- Precision Machining
- Medical Devices
- Renewable Energy
- Automotive



Specim Hyperspectral Imaging Cameras

Hyperspectral imaging is a highly accurate research tool and a powerful machine vision technology that can reliably identify and sort objects with similar looks but different chemical compositions, which is impossible with conventional imaging systems.



The range includes:

- Spectral cameras
- Imaging spectrographs
- Scanner systems
- Airbourne systems
- Core imaging station
- Chemical imaging analyser



ADVACAM PCD Detectors and Imaging Cameras

MiniPIX SPRINTER

Compact photon-counting camera combining high-speed imaging at up to 99 fps with upgraded new-gen Timepix technology.

MiniPIX EDU

An affordable device designed for physics classes where students can literally "see" the radiation surrounding us.

WidePIX CHROMATIC Industry

A durable, compact, and industry-optimised multi-chip scanner and imaging detector.



InfraTec Infrared Cameras

High-end thermographic systems designed for particularly demanding applications in research and development, non-destructive testing as well as process monitoring. They are based on a modular design concept, enabling excellent adaption to the respective applications.

Features

- High resolution cooled MWIR and LWIR cameras – up to 1,920 x 1,536 pixels
- Fast frame rates, motorised lenses and high temperature thermography (up to 3000°C)
- Hand-held uncooled LWIR cameras with opto-mechanical spatial resolution enhancement (Microscan)
- Industrial IP67 rated cameras for operation in harsh environments



Optical 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.



Moxtek X-ray Sources

Moxtek X-ray sources have enabled the XRF handheld market by offering products that are small and lightweight, with high X-ray flux and low power consumption.



IXRF SEM/EDS

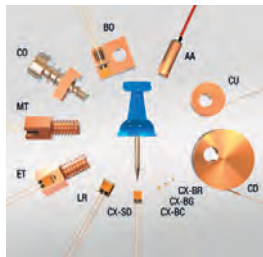
IXRF Systems' SEM/EDS packages deliver premium detector technology as well as both industry-leading and unique (to IXRF) features. No-cost software upgrades are included for the life of the system.



Lake Shore Temperature & Magnetic Sensors

Selecting the appropriate sensor requires an understanding of different sensor technologies. Our team will help you quickly identify the right sensor for your research application.

- Temperature Sensors
- Magnetic Sensors
- Cryogenic Accessories



NPI Ultrafast Lasers

Scientific Rainbow Series

- Ultrafast fibre lasers (fs & ps pulse durations)
- 532 nm–2 μ m wavelength range
- High stability, turnkey all-fibre design
- Up to 10 W output power and 80 MHz repetition rates
- Ideal for multiphoton imaging, spectroscopy, THz and quantum photonics



Service & Support

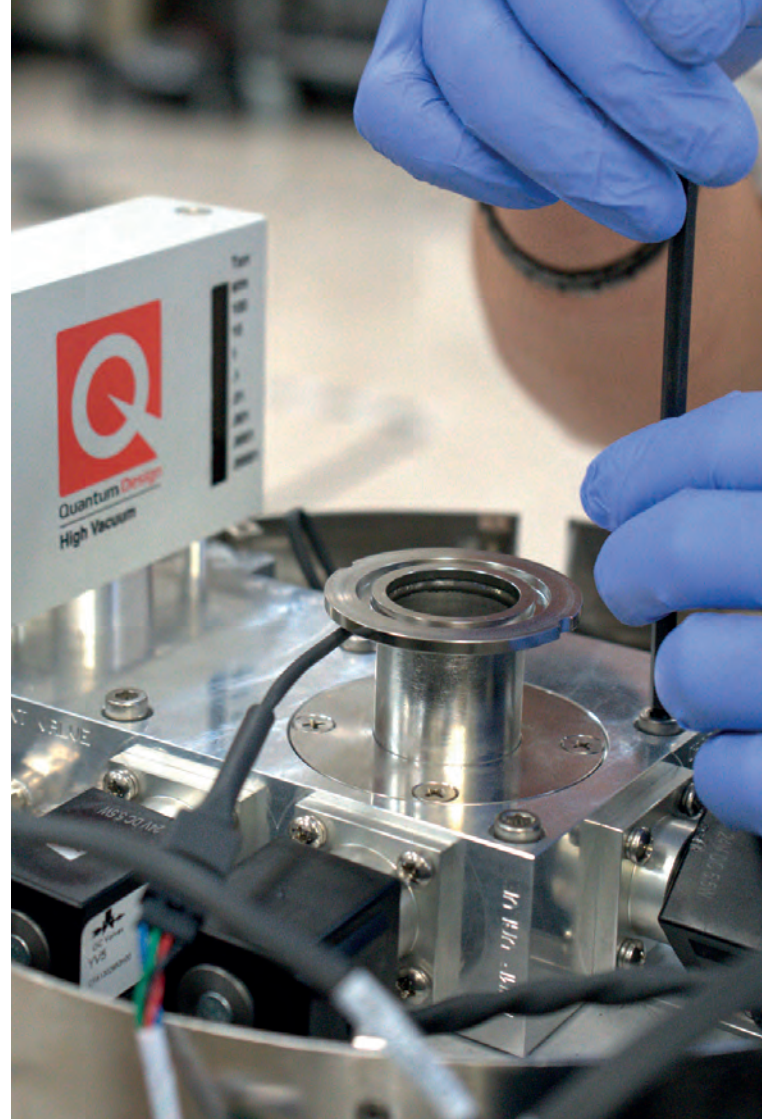
We Understand Your Problem

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 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



Test Measurements

Quantum Design UK and Ireland can arrange test measurements on a number of systems in the range. Please get in touch to find out what we can do for you. We are happy to arrange these so you can be sure that the platform works for your application and research area.

Parts and Consumables

Browse the available parts and consumables for Quantum Design Systems (MPMS3, DynaCool and VersaLab).



Pharos Digital Library

Quantum Design Customers can login to browse a treasure trove of documents, software, app notes, and other resources.



The QD service team has provided professional, responsive, and thorough support over many years... This has allowed our research group to publish numerous academic papers relating to material discovery and characterisation.

Dr. Hongjun Niu
University of Liverpool

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“ The MPMS and PPMS systems provide a very solid platform for developing further custom measurement hardware and software. We have developed special fibre-optic feedthroughs to enable photo-luminescence and photo-conductivity measurements on organic and perovskite samples in the PPMS DynaCool. We have also developed custom probes to perform high sensitivity dielectric measurements, and anvil-type and piston-cylinder-type pressure cells for measurements in both the MPMS3 and PPMS DynaCool. In two years, the suite has had 80 users, 38 groups, 11 different departments, 8 universities and HEIs, 2 companies and over 30 publications in peer reviewed journals.

Cheng Liu

Advanced Materials Characterisation Suite, University of Cambridge

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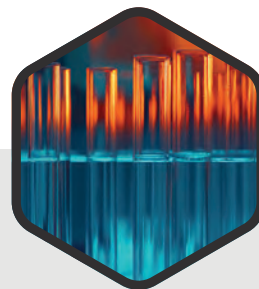
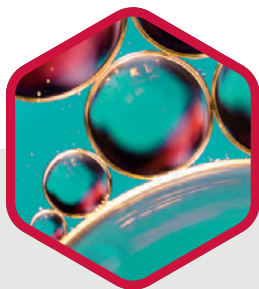
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