Measuring and Characterising Powders Workshop

25th February 2026

Anton Paar UK, 950 Capability Green, Luton, LU1 3LU

Join us for this powder characterisation workshop designed to provide both industrial scientists and academic researchers the essential knowledge and hands-on skills needed to analyse all types of powdered materials. Powder characterisation plays a key role in a wide range of industries and applications. This workshop offers the opportunity to explore the details of powder behaviour, providing practical insights and hands-on experience using latest Anton Paar instruments. The workshop will involve theory and practical sessions.

Key Takeaways:

- Fundamentals of powder properties and key parameters influencing powder behaviour, such as particle size, shape, and surface area
- Techniques to investigate powder flow, cohesion, and packing properties
- Advanced analytical techniques including laser diffraction, dynamic image analysis, and X-ray diffraction
- Hands-on sessions to analyse powder samples and interpret results under the guidance of Anton Paar's team of scientists
- Case studies and applications of powder characterisation in diverse applications and industries to optimise development, processes, enhance product quality and drive innovation
- Networking opportunities

In this course, you will learn about characterisation possibilities for powders and the benefits from using multiple techniques.

Who Should Attend:
This workshop is designed for academics, scientists, engineers, and technologists who want to deepen their understanding of powder properties or explore the latest advancements in the field.

Meet the Team

Anton Paar

Dr Nishil Malde

Dr Nishil Malde is our UK Product Manager for X-Ray, Surface Area & Porosity and Mechanical Surface Characterisation. Nishil has over 25 years of experience in technical instrument sales and application support, including 11 years at Anton Paar. With a PhD in Physics from Imperial College London, Nishil is a recognised expert in materials characterisation. His passion lies in guiding our customers to innovative solutions for their material analysis needs.

Joseph Hodges

Joseph Hodges is the Product Manager for Rheology & Particle Characterisation for UK & Ireland. Joseph has a degree in Biomedical Sciences from the University of Southampton and has 7 years' experience assisting research & manufacturing institutions, adopting physical characterisation methods on rheometers and developing their material characterisation strategies throughout the UK, US, Europe and Southeast Asia. In his current role he is responsible for supporting application development and technical enquiries within the UK & Ireland.

Cormac Carry Fennessy

Cormac is an accomplished Application Engineer with over two years at Anton Paar. Most of this time has been spent developing customer solutions using techniques such as laser diffraction, DLS, rheology and gas adsorption. With a solid academic foundation in engineering and applied sciences from Leicester University, he applies these skills to solving application challenges. Cormac is also building a strong understanding of advanced analytical techniques and their use in battery technology.

Timetable

9.30	Welcome, Registration & Coffee on arrival
9.45	Session 1 - Surface Area & Pores: Where a solid interacts with the world
10.30	Session 2 - Particle size and shape: Understanding the value in application
11.00	Laboratory Practical Session
12.00	Coffee Break
12.15	Session 3 - Powder XRD: Real world measurements using non-ambient conditions
13.00	Lunch Break & Networking
13.30	Virtual laboratory practical session for XRD
14.00	Session 4 - Solid Density: How a method affects interpretation
14.30	Coffee Break
14.45	Session 5 - Powder rheology: Handling behaviour and practical understanding
15.30	Laboratory Practical Session (including DSC)
16.30	Finish

Book Your Place

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Spaces are limited to ensure an optimal delegate-to-tutor ratio for hands-on learning. To reserve your place, please scan the QR code below or click here to register. Alternatively, please email info.gb@anton-paar.com.

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