

Particle Characterisation Workshop: Optimising Shape and Size

1st October 2025

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

Anton Paar would like to invite you to our annual particle characterisation workshop, focusing this year on optimising the size and shape of particles.

We will be covering three distinct particle sizing techniques in depth, alongside in-person discussion of other characterisation techniques for particles of all sizes, types and in various conditions.

Understanding and optimising physical particle properties such as size and shape has long been of key importance to both industry and academia due to the knock-on impact on flow behaviour, stability, texture and reaction rates.

Tailored for industrial scientists and academic researchers alike, this workshop will equip you with essential knowledge and practical insights into particle behaviour – from raw material to final product.

This workshop is will cover:

- The fundamentals of Laser Diffraction, Dynamic Light Scattering and Dynamic Image analysis
- How the size and shape of your particles can affect your processes and final product
- Tips and tricks for successful measurements during our hands-on lab sessions
- Additional advice and support for other technologies such as BET surface area, powder rheology, XRD and more!

This workshop is suitable for all experience ranges, from those new to particle characterisation methods, current active users, and anyone looking for a refresher on the basics of particles sizing techniques.

Meet the Team



Cormac Carry Fennessy

Cormac is an accomplished Application Engineer with over two years of experience at Anton Paar. He has spent the majority of that time developing customer solutions using a range of techniques, including laser diffraction, DLS, rheology and gas adsorption. He has a solid academic foundation from Leicester University, in engineering and applied sciences, which helps him to apply these techniques to the problem of solving application challenges. Cormac is quickly developing a strong understanding of advanced analytical techniques and their applications in battery technology.



Joshua Forrest

Joshua Forrest is the application engineer for Particle Characterisation, Rheology and Torque and Extrusion. Responsible for materials testing, Josh has characterised dozens of materials from a variety of industries. Josh has a degree in Mechatronic engineering and is currently finishing his PhD.



Dr. Andreas Kautsch

Dr. Andreas Kautsch is Head of Particle Analysis and Surface Charge (Business Unit Characterization) at Anton Paar (Graz, Austria). The product line's portfolio covers analytical instrumentation for characterizing the size, shape and zeta potential of particles in liquids as well as powders and zeta potential analysis on macroscopic solids. In his position he holds the responsibility for the global product management, application- and customer support for this instrument portfolio. He joined Anton Paar in 2015 and holds a PhD in the field of Laser Spectroscopy from Graz University of Technology after studying Technical Physics as well as Business Economics in Graz and Glasgow.

Timetable

9.20	Welcome, Registration & Coffee on arrival
09.45	Session 1: The Importance of Particle Size and Shape
10.30	Laboratory Practical Session
11.30	Coffee Break
11.45	Session 2: Laser Diffraction
12.30	Lunch Break & Networking
1.15	Session 3: Dynamic and Electrophoretic Light Scattering
14.00	Session 4: Dynamic Image Analysis
14.45	Coffee Break
15.00	Laboratory Practical Session
15.30	Session 5: Best practice Tips
16.30	Finish

Book Your Place



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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