

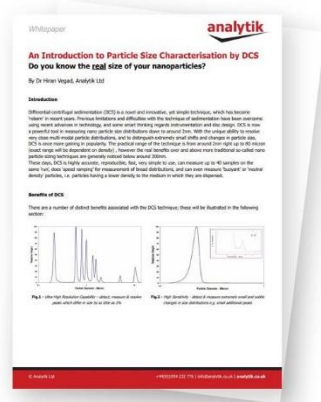


Innovative Analytical Solutions

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Ultra-High-Resolution Particle Characterisation

Analytik has published a white paper that provides an informative introduction to particle size characterisation using the Differential Centrifugal Sedimentation (DCS) technique.



Differential Centrifugal Sedimentation is

an extremely powerful tool for high resolution particle characterisation, especially in the size range 0.002 micron (2nm) to 10 microns. It enables very narrow distributions of particles differing in size by less than 2 per cent to be resolved, and hence extremely small differences, changes or shifts in particle size to be accurately and reproducibly detected and measured. The accuracy and reliability of DCS data also enables the technique to be used quantitatively to derive weight and number distributions. Beneficially DCS also produces particle sizing results that are comparable to data resulting from Optical and Scanning Electron Microscopic analyses.

After providing a useful introduction

to the theory behind Differential Centrifugal Sedimentation - the white paper discusses different instrumental designs, operational considerations and includes results data from applications that can benefit from the technique. The white paper also introduces a new DCS method for measurement of low density, neutral buoyancy particles, a previous technical limitation of the technique.

The white paper concludes

that recent advances in Differential Centrifugal Sedimentation instrumentation have improved the technique with respect to ease of use, speed of analysis, accuracy and multiple sample measurement.

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To learn more

about Differential Centrifugal Sedimentation and download a copy of the white paper please visit <https://analytik.co.uk/particle-size-characterisation-by-dcs/>.



To learn more about the CPS DC24000 ultra high-resolution particle size analyser that is based upon DCS technology please contact Analytik on +44-1954-232776 / info@analytik.co.uk.

For over 15 years - Analytik has been a trusted supplier of cutting-edge scientific instrumentation to leading organisations throughout the UK and Ireland. In addition to supplying innovative analytical instrumentation from [global technology providers](#), we deliver added value through specialised consultative expertise and [comprehensive pre and post-sales support](#) to ensure that our customers get the most out of their investment. For further information please visit www.analytik.co.uk.

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