



April 2019

*Quantitative, High Resolution X-Ray Particle Sizing*

**Testa Analytical Solutions e.K reports** that its BI-XDC X-Ray Disc Centrifuge is enabling scientists to make accurate, high resolution particle size distribution measurements, from nanometres to tens of micrometres, without time consuming calibration or absorption correction.

**Based on the principle of photosedimentation**, the BI-XDC measures the size of particles according to the time the particle takes to sediment in the detector according to Stokes law. Combining centrifugal and gravitational sedimentation in a single instrument the BI-XDC sets a new standard for these well-established methods of particle sizing.

Leveraging a highly reliable orthogonal method, the BI-XDC is proven to give error free quantitative measurements across a broad range of samples including nanoparticles, minerals, clays, ceramics and metal oxides.

Using the BI-XDC there are no optical corrections and no optical properties to worry about, just a simple mass sensitive response based on x-ray absorption. The BI-XDC features a reproducible digitally controlled disk speed to ensure high performance and accuracy. The proprietary scanning x-ray head enables measurements to be made typically in just 8 minutes.

**For further information** on the BI-XDC X-Ray Disc Centrifuge please visit <https://www.testa-analytical.com/index.html?dc=Particle&sn=6> or contact Testa Analytical Solutions on +49-30-864-24076 / [info@testa-analytical.com](mailto:info@testa-analytical.com).

Testa Analytical Solutions e.K. is a company dedicated to supplying the best possible instrumental solutions for characterization of polymers, particles, nanomaterials and proteins. Drawing upon over 30 years' experience of technologies serving these markets, the staff at Testa Analytical are happy to share their knowledge with researchers worldwide to help provide them with a working solution for even the most demanding applications.

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