

## Applications Publications

- A Conceptual, Non-Mathematical Explanation on the Use of Refractive Index in Laser Particle Size Measurement. Author Dr. Philip Plantz ( A white paper)
- Accuracy and precision of Microtrac particle size analyzers. ( A white paper)
- Particle size measurements in the semiconductor industries. Particle size data improves efficiency and quality. ( A white paper)
- Particle size measurement in the production of latex emulsions. Improve product quality with accurate measurements in highly concentrated solutions and suspensions. ( A white paper)
- Simplified particle size measurement of liposomes improves product quality. ( A white paper)
- Particle size measurement of catalysts in the chemical petroleum industry. A key to process optimization and environmental protection. ( A white paper)
- Particle size measurement in the cement industry. ( A white paper)
- Particle size measurements in the production of water-based inks and coatings. Improve product quality accurate measurement in high-concentration suspensions. ( A white paper)
- Simplified particle size measurement of liposomes improves product quality. ( A white paper)
- "Correlation among Particle Sizing Methods Authors: P. E. Plantz / H. N. Frock( A white paper)
- "Efficacy of Particle Size Analysis to maintain quality while reducing energy consumption of grinding mills" Author: P. Plantz
- "Particle size measurement of high-concentration suspensions", P. Plantz and R. Dost, American laboratory News, 1997
- "Methods For Measuring Particle Size Distribution of Chocolate Products", Author: J. Whitfield Robbins (The Nestle Co.)
- "Characterization of Rubber Particle Size Distribution of High-Impact Polystyrene Using Low-Angle Laser Light Scattering", Authors: R. A. Hall/R. D. Hites/P.E. Plantz.
- "In-line particle size analysis for pharmaceutical process applications", R. Dost, P.J. Freud, P. Plantz, and A. Tenney. Advances in Instrumentation and Control, V51, Part 2, p1123. 1996
- "Particle Size Determination of Flour Using Laser Light Scattering" Authors: J. W. Stitley / E. K. Robbins
- Deciding Upon Which Particle Size Progression to Use in Microtrac
- Why Use a Probe for Dynamic Light Scattering? Why NOT a Cuvette? P.E. Plantz
- Traceability and Standards Applied to Microtrac Instruments. P.E. Plantz
- High-Concentration Submicron Particle Size Distribution by Dynamic Light Scattering
- Power spectrum development with heterodyne technology advances biotechnology and nanotechnology measurements. M. N. Trainer and P. J. Freud
- Accuracy and Precision of Microtrac Particle Size Analyzers. *Philip E. Plantz, PhD*
- High-Concentration Liposome and Micelle Suspensions: Measurement by Dynamic Light Scattering. *Philip E. Plantz, PhD*
- A Compendium of Microtrac Ultrafine Particle Analyzer Technical Notes
- Evaluation of Fine Particles in Distributions and the Relationship to Microscopic Evidence (*Understanding the impact of microscopic observations compared to mass/volume distribution relationships*). *P.E. Plantz*
- Unified scatter technique for full-range particle size measurement. P. J. Freud, Michael Trainer and H.N. Frock
- Plastics and Particle Size Measurement. Accurate Particle Sizing Significantly Improves Processibility of Polymers. P.E. Plantz
- Powder Coatings and Particle Size Measurement ( A white paper). *Philip E. Plantz, PhD*
- Nanoparticle Sizing. Dynamic Light Scattering Analysis in the Frequency Spectrum Mode. *Paul J. Freud, PhD*

## Microtrac UPA Technical Notes

- UPA evaluation. Repeatability and Accuracy
- Performance comparison. UPA vs PCS – concentration effects
- Performance comparison. UPA vs. PCS – Multimodal measurement.

Indien u bepaalde bovenstaande applicaties wenst te ontvangen laat u het ons even via het contactformulier, wij sturen deze dan zo spoedig mogelijk toe.