



The New Particle Analyzer CAMSIZER X2: higher resolution, extended measuring range and excellent statistics

With the CAMSIZER X2 RETSCH TECHNOLOGY presents the next generation of the well-proven dynamic image analysis system CAMSIZER XT. The new analyzer provides an extended dynamic measuring range from 0.8 μm to 8 mm with short measurement times and excellent reproducibility.

The new product generation is based on the patented two-camera-system which consists of two cameras with different resolutions, operating simultaneously and permitting measurements in a wide dynamic size range. This principle has been realized in the CAMSIZER X2 with a new optical concept: two light sources with different wave lengths and an innovative light path allow for images with increased depth of focus and for an image resolution improved by factor 2. Thanks to the latest camera technology with a three times higher pixel resolution and higher frame rate than the previous model, the number of detected particles increases dramatically.

A new software module of the CAMSIZER X2 - the Particle X-Plorer - allows for optional storage of particle images with corresponding size and shape parameters in a database.

Particle size and particle shape applications include metal powders, pharmaceutical products, chemicals, food and construction materials, to name a few. Due to the higher resolution of the CAMSIZER X2 analysis of the length and diameter of fine fibers has been remarkably improved.

Benefits at a glance:

- Innovative optical concept (patented)
- Extremely high resolution (> 0,8 μm /Pixel)
- 4.2 megapixel per camera
- Higher frame rate: >300 images per second
- Extended dynamic measuring range 0,8 μm - 8 mm
- New dispersion nozzles optimized for particles of 8 mm max.
- Enhanced software features

RETSCH TECHNOLOGY is a leading supplier of optical particle analyzers covering measuring ranges from 0.3 nm to 30 mm. Based on a variety of measurement technologies, the instruments are suitable for particle size and particle shape characterization in dry and wet mode.

www.retsch-technology.com/camsizerx2