

➤ MODIFIED

Fast analysis of particle shape and size of suspensions and emulsions as well as of powders and bulk solids!

Fast. Safe. Easy. - Discover the Possibilities!

The FRITSCH **ANALYSETTE 28 ImageSizer** for dry and wet measurement is the ideal Particle Sizer for all applications that require accurate and reproducible measuring results for both particle shape and size. The optical process of Dynamic Image Analysis provides results for a wide measuring range, delivers multiple shape parameters and evaluation possibilities for particle size. The measuring time depending on the sample quantity, is under 5 minutes. And the result is available immediately.

Your advantage: Great flexibility for different measurement tasks for particle sizes of 20 µm – 20 mm in quality control, research and laboratory – and is a very easy and cost-effective alternative to sieving.

➤ **Easy wet measurement of suspensions and emulsions**

The ANALYSETTE 28 ImageSizer is in combination with the corresponding wet dispersion unit ideal for measurement of particle shape and size of suspensions and emulsions.

Wet dispersion is particularly suitable for fine particles, poorly flowing, fine-agglomerating or sticky materials, which do not react in water or other liquids.

Your advantages

- ⊗ Extra wide measuring range of 20 µm – 2.8 mm
- ⊗ Strong, freely adjustable ultrasonic power for deagglomeration
- ⊗ Extremely quiet dispersion with strong pumping power
- ⊗ Benzine, alcohol and many organic solvents can also be used as suspension liquid as a standard feature



PARTICLE SIZER ANALYSETTE 28 ImageSizer for wet measurement of suspensions and emulsions

- ⊗ Automatic rinsing cycle
- ⊗ No dead space in measuring and rinsing circulation system
- ⊗ Fast and consistent cleaning

➤ **Efficient dry measurement of powders and bulk solids**

The ANALYSETTE 28 ImageSizer is the ideal Particle Sizer for fast analysis of particle shape and size of dry, free-flowing materials. Via the optical analysis of the particle shape and particle size, you can identify damaged particles, contaminates, agglomerates or oversized and undersized particles accurately and fast and view them completely uncomplicated in single images.



Particle Sizer ANALYSETTE 28 ImageSizer for dry measurement of powders and bulk solids

Your advantages

- ⊗ Extra wide measuring range of 20 µm – 20 mm, individually adjustable
- ⊗ 3 telecentric lenses are available
- ⊗ Up to 75 images per second
- ⊗ Agglomerates are preserved
- ⊗ Practical Clean Design of the measuring chamber
- ⊗ Optimal number of particles due to automatic adjustment of the feeder
- ⊗ Easy handling

State-of-the-art, simple and fast evaluation via FRITSCH Cloud and Gallery

The evaluation of the measuring results is uniquely simple with the ANALYSETTE 28 ImageSizer. The evaluation software ISS displays each recorded particle clearly as a data point in the immediately available FRITSCH Cloud as well as in the FRITSCH Gallery. You freely choose which statement is of interest to you: for example the Sphericity in regards to the Minimum Feret Diameter, the aspect ratio, applied on the porosity, or the convexity as a function of the particle Cross Section. Or display the particle size distribution as a cumulative curve, as a bar chart or in a table form.

The FRITSCH Cloud: Each particle can be clicked individually

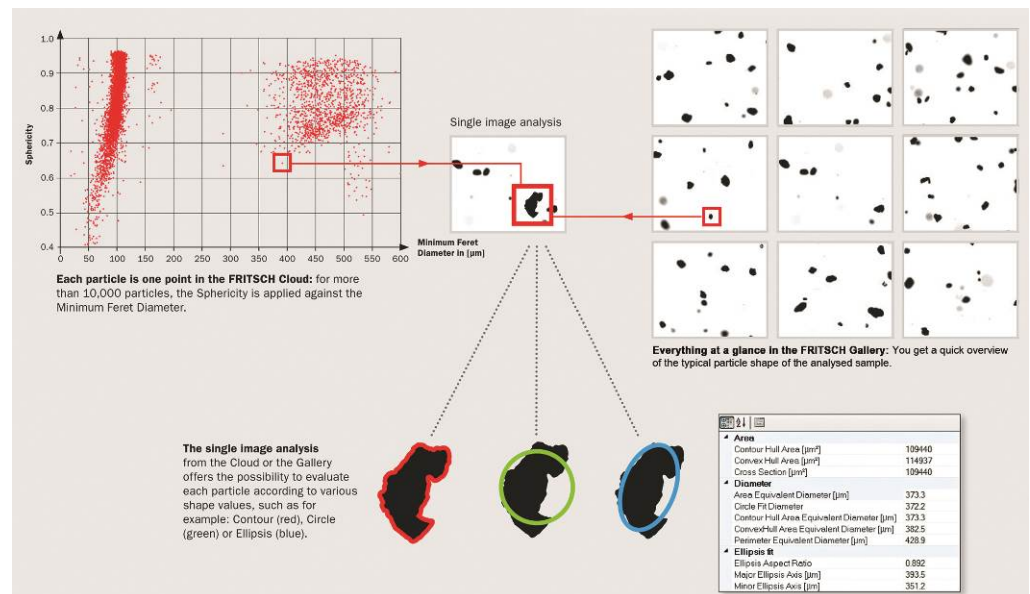
The state-of-the-art of uncomplicated evaluation: For fast single image viewing, each individual particle can be opened directly with a mouse click from the clearly arranged FRITSCH Cloud. The really important information for you about the morphology will be shown by the position of the data point in the Cloud. Without time-consuming search, you can immediately analyse, evaluate and delete individual selected particles. All available size and shape parameters are automatically displayed.

The FRITSCH Gallery: Everything at a glance

To get a quick overview of the typical particle shape of the analysed sample, view and evaluate all the images in a gallery which is integrated directly into the software for easy use. Individual particle images can be directly selected for single image analysis.



Evaluation of a particle size distribution



Uncomplicated single image analysis via the FRITSCH Cloud and Gallery

The special features of the **FRITSCH Particle Sizer ANALYSETTE 28 ImageSizer** and how it works – please have a look:

www.youtube.com/embed/3ttOHBurRnQ?rel=0



Test the FRITSCH Particle Sizers!

Send us your sample for an individual **sample measurement** – we will send you a detailed analysis protocol. Compare for yourself!

Up-dated information on FRITSCH high-tech particle technology – from Dynamic Image Analysis to Static Light Scattering at www.fritsch-international.com/particle-sizing.



You should have a look!

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Our experts are looking forward to your questions and gladly advise you in all laboratory technology related enquiries.

4.978 characters with 120 lines

Please send author's copy

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