

Accessories for the Laser Scattering Particle Size Distribution Analyzer

# partica LA-960V2

Partica LA-960V2 solves your problems.  
Ideal for these situations:



## Observe distributions at high concentration without diluting the material

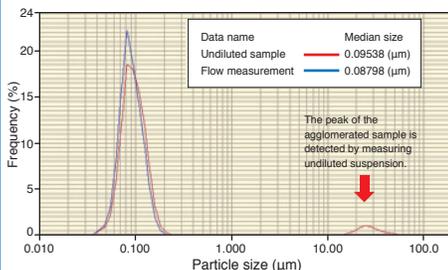


### High-Concentration Cell

The High-Concentration Cell is able to measure close to original concentration with low dilution or without dilution.



- Measure without dilution  
Inks, paints, pigments, emulsions
- Positive and negative electrode materials of secondary batteries etc.
- Observe changes in the agglomeration state based on concentration etc.
- Agglomerated was found when a battery was measured near to original concentration



- Comparison of the results of undiluted suspension measurement and flow measurement (diluted with dispersant)



### Paste Cell

The Paste Cell can measure undiluted samples or samples dispersed in a viscous medium.



- Microparticles dispersed in high-viscosity samples or polymers
- Magnetic powder: Measure magnetic powder by dispersing it in viscous oil to prevent re-agglomeration.

## Measure both agglomerated and granulated powder without destroying them

### Dry Measurement Unit

The Dry Measurement Unit can measure samples in a powder state.



It supports both non-dispersed measurement by free fall and forced-dispersion measurement using compressed air.

- Food materials, drugs, washing powder, and other samples easily soluble in water
- Granules and granulated powder formed by agglomerating and processing particles
- Polymers and resins that swell when dispersed in water or solvent
- Powders with water-repellent coating

### ● Vacuum sampler

The vacuum sampler is able to measure a very small amount of sample.



### ● Coated chute

The chute is coated with an electroplated nickel fluoride resin. For samples that adhere easily to a stainless steel chute and it is difficult to feed the sample by vibration.



## Measure multiple samples automatically

### Automatic Sampler

(Wet measurement in powder)

The Auto Sampler is a rotary table-type automatic sampling system equipped with 24 detachable sample cups.



## Measure small samples

### MiniFlow Circulation System

The MiniFlow can measure samples of dispersion medium as small as 35 mL. Recommended when using organic solvent as a dispersant.



The MiniFlow comes with an ultrasonic probe and automatic dispersant feeding pump as standard.

[Measurement range] 0.01–1000 µm, suits organic solvents

- Pigments, paints, stationary inks, and other samples dispersed in organic solvent
- Drugs, food, dyes, and other water-soluble samples and dispersed in organic solvent
- Fuels, lubricants, and other samples dispersed in an oil solvent

### Fraction Cell

The Fraction Cell can take measurement with samples as small as only 5 mL, minimize the amount of dispersant.

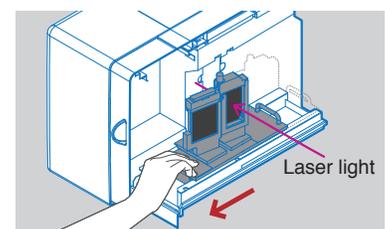


The Fraction Cell is ideal when the sample is extremely small or you need to recover the entire sample.

Cell volumes: 5 mL, 10 mL, 15 mL

- Rare sample
- Measurements with highly volatile solvent

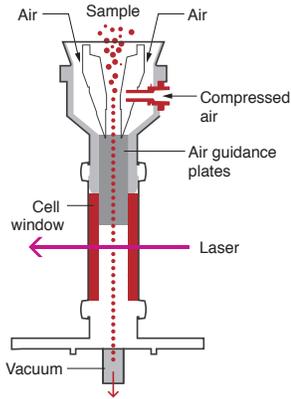
### Easy cell switching.



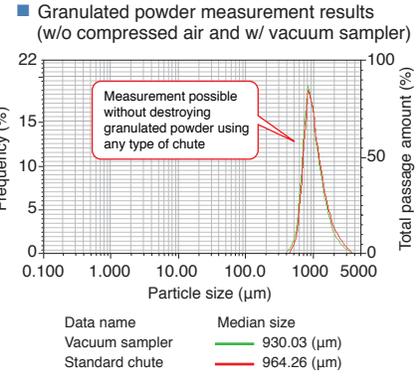
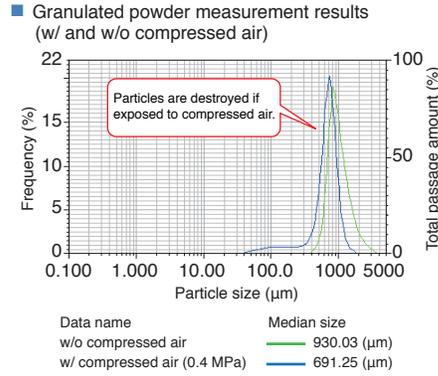
Change cells just by sliding the changer table. No tools needed.

**Flexible dispersion conditions:  
forced dispersion or non-dispersion measurement**

- Dry measurement allows measurement in powder state without dispersants.
- Dispersion with compressed air can be deactivated, so it is possible to measure fragile sample such as granules and granulated powder.

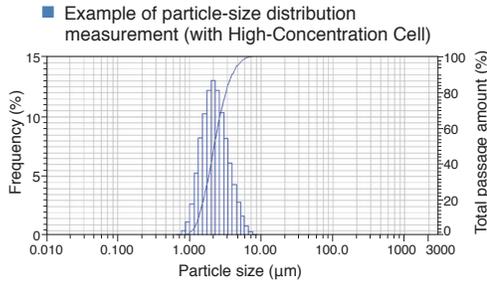


**Example of dry-measuring granulated powder**



**Multiple observations under the same conditions**

- High concentration cell can be used to measure particle size distribution and also can be set up under an optical microscope in the same condition.



**Small-volume circulation with organic solvents**

- Measurement needs as small as 35 mL of solvent (180 mL with conventional circulation systems).
- Dispersion is possible with the built-in ultrasonic probe.

**Example of dispersion evaluation of carbon black (with MiniFlow)**

