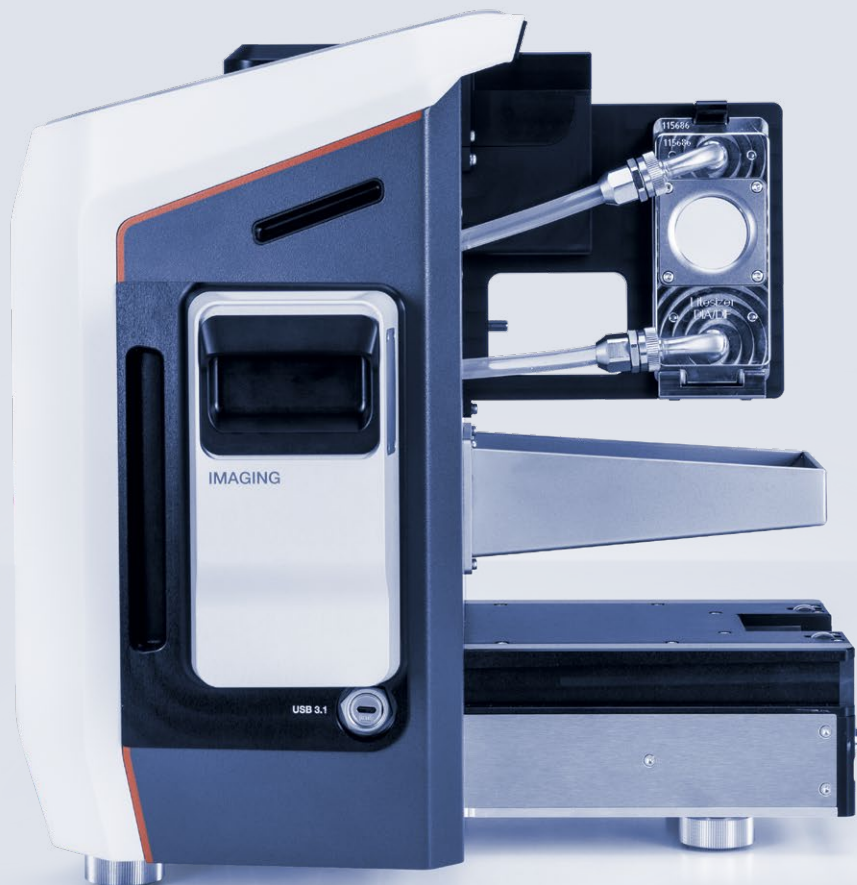


Unlock the Full Picture of Your Particles

Liquid Flow Imaging Dispersion Unit For Litesizer DIF

This innovative dispersion unit integrates shape information from dynamic image analysis (DIA) into your laser diffraction particle sizing workflow.



Find out more

Liquid flow imaging

The module combines laser diffraction and dynamic image analysis (DIA). It adds shape descriptors (e.g., aspect ratio, sphericity) to your particle size results, with imaging available from 5 µm to 2,500 µm.

It's the perfect solution when size isn't enough: Spot outliers, assess agglomerates, and quantify shape metrics in R&D and QC workflows.



Key features

- **One software:** Operate your instrument, run measurements, and analyze results seamlessly on a single platform: Kalliope. Whether you're focusing on particle size or shape, everything is managed in one software environment.
- **Compact add-on:** The imaging functionality is fully integrated in the Liquid Flow dispersion unit. This keeps the footprint essentially the same as the standard Litesizer DIF setup.
- **Shared flow path:** The module shares the liquid circuit with the dispersion unit, so particles measured by diffraction are simultaneously available for image capture. There's no need to move samples between systems, and time-to-results is halved.
- **Automated handling:** Auto-filling, draining, and rinsing of the dispersion liquid; optimized feed rate and efficient data handling.
- **Operator safety and reliability:** Liquid-level recognition before sonication prevents overheating; samples remain contained.
- **Quick-click:** Mounting of the dispersion unit with the imaging add-on is done in one move.

Liquid Flow Imaging Dispersion Unit	
Compatibility	Litesizer DIF series
Dispersion means	Stirring, ultrasonication
Sample holder	Tank: 150 mL to 600 mL
Automation	Auto-filling, auto-draining, auto-rinsing
Measurement range DIF	Size: 0.01 µm to 2,500 µm Shape: 5 µm to 2,500 µm
Weight	20.1 kg (44 lb)
Accessories available	Water filter

Trademarks: Kalliope (EU: 012709391, UK: UK00912709391), Litesizer (EU: 011695491, UK: UK00911695491)