

Automated Solutions for Particle Analysis

Litesizer Cuvette Sampler | Litesizer Autosampler

Maximize throughput with unattended operation. Automate up to 80 samples per run with collaborative robotics and seamless software integration.



Find out more

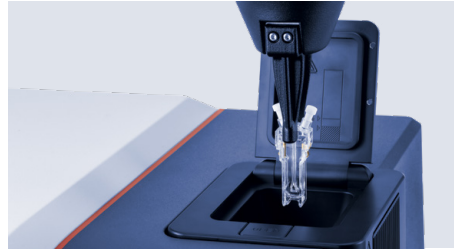
Boost Productivity with Automation

Automated sample handling boosts throughput and frees operators from repetitive tasks in particle analysis workflows. Both systems integrate seamlessly with your Litesizer instruments and Kalliope software, so automation becomes a natural extension of existing methods and data handling.



Higher throughput

Run long, unattended sequences to process more samples per day without adding headcount.



Consistent quality

Standardized, automated handling improves reproducibility and reduces operator-to-operator variability.



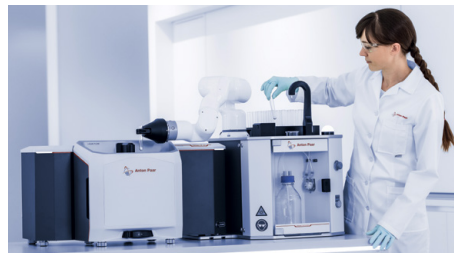
Less manual work

Minimize pipetting, cuvette or vial changes, and instrument interaction so staff can focus on interpretation and method development.



Smart integration

Use existing Kalliope methods, templates, and data structures to scale from development to routine QC with minimal revalidation effort.



Future-ready workflows

Add automation to current Litesizer systems and expand capacity as sample volumes, regulatory demands, or project loads increase.



Flexible capacity

Handle up to 80 cuvettes or 60 vials per run to support everything from small studies to high-throughput campaigns in a single platform.

	Litesizer Cuvette Sampler	Litesizer Autosampler
Compatibility	Litesizer DLS	Litesizer DIF and Litesizer DIA
Capacity	80 cuvettes (disposable, glass, quartz, and Omega types)	60 vials (polystyrene, 12 mL)
Supported measurements	Particle size, zeta potential, molecular mass, particle concentration, refractive index, and transmittance	Liquid and dry measurements
Dimensions (L x H x W)	844 mm x 1,092 mm x 536 mm	525 mm x 1,300 mm x 565 mm
Clearances	1,100 mm (top), 400 mm (front), 200 mm (back), 350 mm (right), 200 mm (left)	1,300 mm (top), 400 mm (front), 150 mm (back), 200 mm (right)
Weight	50 kg (excluding DLS instrument)	40 kg (88 lb)
Noise level	≤70 dBA	
Power supply	100 V to 240 V, 50/60 Hz (1.5 A @ 220 V / 3 A @ 110 V)	