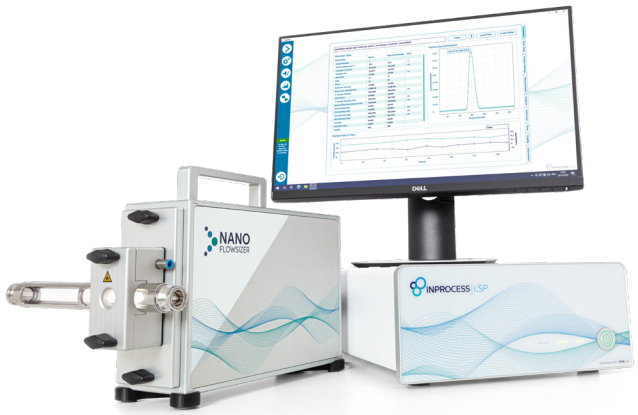
FEATURES

- Continuous size characterization of nanoparticles during processing
- Particle size & size distribution in flow
- Measurement of highly turbid materials
- Hydrodynamic diameter, PDI, D90, D50, D10
- Fully customizable to specific process; modules available for lab, pilot and manufacturing scale
- XsperGo software is GMP compliant and OPC-UA compatible
- Inline, online, and offline configurations

BENEFITS

- Next-level process monitoring
- High-speed measurement (<5 sec)
- Efficient data management
- Unique Process Analytical (PAT) solution
- Reduced risk of batch failures
- Cost effective real-time monitoring reducing operational costs

INNOVATION, EXCELLENCE AND SYNERGY



For more information please contact:

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NANO FLOWSIZER

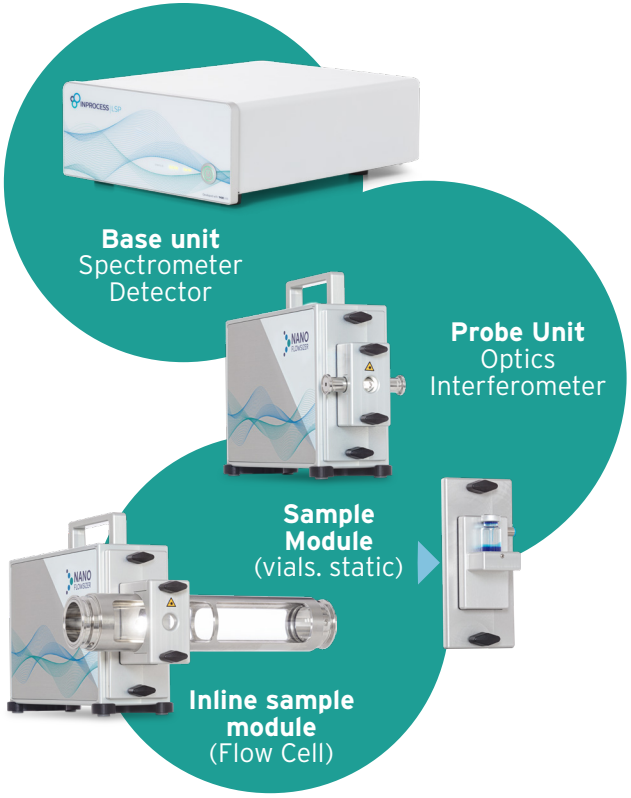
Nanoparticle Size Characterization using Spatially Resolved DLS

Think DLS, but with superior features

- ✓ Proprietary technology
- ✓ Inline, at-line, offline & in flow
- ✓ Ideal for wide sample turbidity ranges
- ✓ For lab, pilot and manufacturing scale
- ✓ Non-invasive measurement in any container

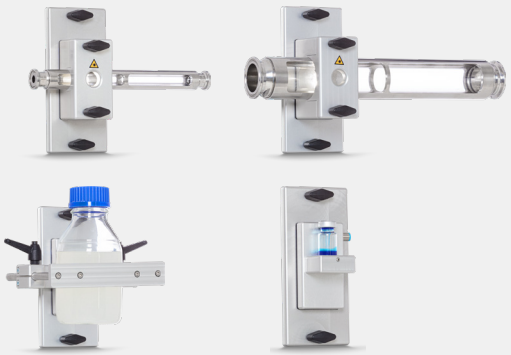
Integrated inline in your process, the Nano-FlowSizer is a powerful, non-invasive **Process Analytical Tool.**

"I never imagined it would be possible to measure non-invasive in syringes with the NanoFlowSizer, but now, real-time nanoparticle characterization is our reality."



Modular system

From R&D to manufacturing



system features

	FIDES	THALIA
Measurement principle:	Spatially Resolved DLS (SR-DLS)	Spatially Resolved DLS (SR-DLS)
Particle Size Range:	15 nm – 5000 nm	3 nm – 5000 nm
Turbidity*:	low to **very high**	**very low** to high
Measure:	**flow** & static	flow & **static**
Flow Rate:	<250L/hr	<250L/hr
Measurement Mode:	Inline, online, at-line, offline	Inline, online, at-line, offline
Data collection:	Real-time continuous <5 sec/datapoint	Real-time continuous <5 sec/datapoint
Nanoparticles:	LNPs, (in)organic particles, Milled API	LNPs, (in)organic particles, Milled API, proteins, mAb, pAb, ADC
Software:	XsperGo + GMP features, PhaSR	XsperGo + GMP features, PhaSR
Dimensions:	25x35x10 cm	25x35x10 cm

* Turbidity ranges are particle type and solvent dependent and need to be experimentally determined