

SEMINAR & DEMO EVENT

18 April 2024

PivotPark, Oss, Netherlands

Event in collaboration with:



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REAL-TIME, INLINE NANOPARTICLE SIZE MONITORING AND PROCESS CONTROL DURING HOMOGENIZATION OF NANOSUSPENSIONS

Includes demonstration of the GEA homogenizer & InProcess-LSP's NanoFlowSizer

[InProcess-LSP](#) and [GEA](#) will organize an informative, free to visit, seminar including a demonstration of the NanoFlowSizer and the GEA XStream homogenizer.

The NanoFlowSizer is a unique nano-particle size characterization technology used for process monitoring. Connected to GEA's High Pressure Homogenizer, it can be used as a **process analytical tool (PAT)** for inline monitoring and process control through automated feedback.

The **XStream** is the ideal homogenizer to carry out tests in the laboratory and be prepared to scale up to industrial production thanks to the consistent results that NiSoX-Valve provides for many different applications.

YOU WILL LEARN

- Understand the benefits of Spatially Resolved-DLS (SR-DLS) used by the NanoFlowSizer
- Use the NanoFlowSizer for inline size characterization of nano-emulsions
- How to implement the NanoFlowSizer with GEA XStream homogenizer for inline monitoring
- GEA's and InProcess-LSP roadmaps on homogenization and particle sizing
- Demonstration of inline process size control during homogenization using automated feedback
- Understand the features and benefits of using the NanoFlowSizer and the GEA XStream homogenizer

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NANO-EMULSIONS IN VARIOUS INDUSTRIES

Nano-emulsions find applications in food, cosmetics, pharmaceuticals, and chemicals. High-pressure homogenization is the most effective mechanical method for nanoparticles processes allowing flexibility and scalability.

Real-time monitoring of droplet size during production is challenging. InProcess-LSP addresses this with the NanoFlowSizer (NFS), using Spatially Resolved DLS. NFS enables real-time, inline sizing of nanoparticles without dilution, enhancing efficiency, process understanding, and the production of high-quality nano-emulsions.

[Download FREE whitepaper](#)

TOPICS FOR THE DAY:

10AM - 5PM

- Introduction InProcess-LSP and the NanoFlowSizer
- Get to know GEA experts and the XStream homogenizer
- Demo flow measurements NanoFlowSizer & GEA XStream homogenizer
- Customer success story
- Networking & drinks

LOCATION:

InProcess-LSP
PivotPark
Kloosterstraat 9
5349 AB Oss, The Netherlands

REGISTER BEFORE 1ST APRIL:

www.inprocess-lsp.com/gea-demo-event/

INFORMATION OR CONTACT:

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www.inprocess-lsp.com