

## Specialist for Inline Particle Measurement Technology

SOPAT develops and markets an image-based, photo-optical measurement and analysis tool that enables real time, quantitative characterization of particulates in multiphase systems. The focus of our work is the development of an individual customized measurement technology to ensure process optimization.

### The Benefits of the SOPAT Particle Measurement Technology:

- Inline Measurement
- Real Time Process Monitoring
- Simultaneous Analysis of Diverse Particles
- Process Optimization
- Quality Control
- Identification and Differentiation of "false" Particles (e.g. bubbles)



## 在线颗粒测量专家

SOPAT开发并销售基于图片的光学测量和分析技术，借此可实现多相系统中颗粒的实时定量表征。SOPAT致力于为每个客户提供个性化定制的测量技术以优化流程。

### SOPAT颗粒测量技术的优势:

- 在线测量
- 实时过程监控
- 多种颗粒同时分析
- 过程优化
- 质量控制
- 识别和区分“错误”颗粒（如气泡）



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## Particle Analysis 4.0 for Polymerization Processes

For the measurement of the droplet size of a monomer or the aggregation of particle growth, SOPAT technology sets the new standard; with the help of the acquired data it is possible to influence the active process and thus control particle size and distribution. You thus receive direct insight into your equipment.

### The Benefits of the SOPAT Particle Measurement System:

- Particle Characterization Follows Precise Iso Standards (Iso 13322-1:2014)
- Inline Analysis Occurs in Real Time
- Probes Are Compatible with High Temperatures and Pressures
- Automatic In-Process Cleaning
- Analysis of Particle Sizes and Morphology in the Original Concentrations



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## Particle Analysis 4.0 在聚合过程的应用

对于单体粒度测量以及颗粒生长聚合过程的测量, SOPAT 技术树立了新的标准。所获得的测量数据使得对聚合反应的监控成为可能。借此您可以直接控制聚合反应中颗粒的粒度及分布, 并且更直接的了解设备内的反应过程。

### SOPAT 颗粒测量技术的优势:

- 完全符合ISO 标准 (ISO 13322-1:2014) 的颗粒表征
- 实时在线分析
- 适用于高温高压工况的探头
- 可自动在线清洁
- 颗粒粒度与形态的原位测量及分析

