



## 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 Crystallisation Processes

Crystallization processes play an important roll in many applications. In the food industry for example, the shape and characteristics of the crystal particles influences not only the taste experience, but also the consistency and viscosity of the particular product.

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

- Real-time Information about the Crystal Size Distribution
- Analysis of the Particle Shape
- Detection of Fragments
- Better Control during Filtration
- Higher Quality of the Product
- Homogenous and almost Perfectly Mono-Dispensed Distribution
- Fulfillment of Regulatory Compliance



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## Particle Analysis 4.0 在结晶过程的应用

结晶过程在许多工艺应用中都扮演着重要的角色。例如在食品工业中，晶体颗粒的形状和特性不仅影响味觉的体验，而且也影响了特定产品的稠度和粘度。

### SOPAT颗粒测量技术的优势:

- 有关晶体粒度分布的实时信息
- 颗粒形状分析
- 碎片检测
- 更好的过滤控制
- 更高质量的产品
- 均相且近乎完美的单分配分布
- 符合监管规定

