

# XPT-P Probe-Based Particle Analysis System



XPT-P System, 10mm field of view

**Principle:** The probe is inserted into a product stream (e.g. pipe, vessel). Xenon flash light is integrated in the probe for sharp images. A CCD camera is taking the images which are then analysed and displayed online and results stored.

**Complete system:** consists of a stainless steel probe with camera and xenon light source, control cabinet, computer and software.

## Applications:

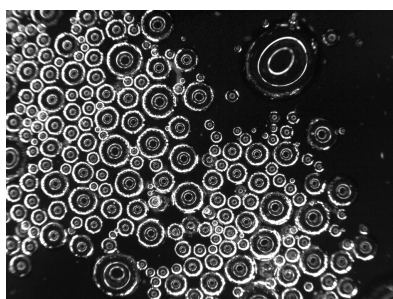
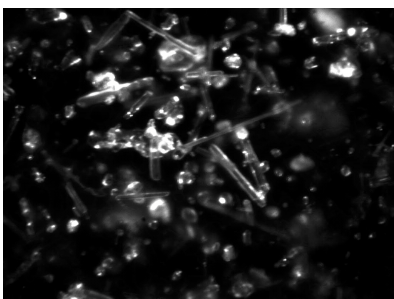
- Particles in suspension or gas phase e.g. crystallisation, fluid bed granulation..
- Bubbles, foams
- Measurement of particle size, shape and count
- Wide pressure and temperature range
- Food, pharma, chemicals, oils...

## Technical Data:

- Probe diameter 60mm (for large image size), 20mm for small reactors
- Image size: 1000 to 15000  $\mu\text{m}$
- Measurement range:  $> 1 \mu\text{m}$
- Resolution 1280x960 Pixel

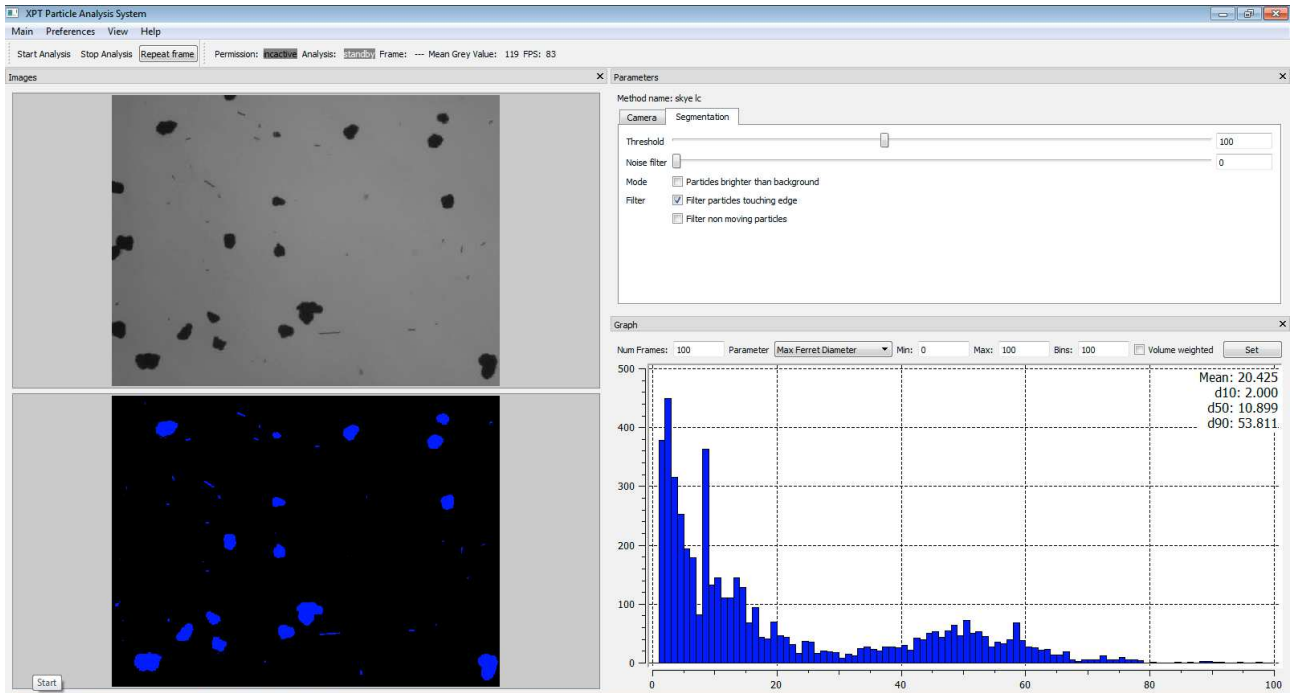


XPT-P System with 20mm probe





# particle size measurement by dynamic image analysis



particle size, shape and count – online and realtime

## Software:

- All options are measured, all reports are done after the measurement
- Particle size distribution, scatter-plot, trends over time
- Diameter, length, shape factors
- Optional simultaneous storage of the measurement as movie
- Analog output with measurement results for online measurement
- Analysis of live images or stored images or movies

