

XPT-C Optical Particle Analysis System



Principle: particle suspension is pumped through the flow-through cell, directly from the process or from a sample. A CCD camera is continuously taking images which are analysed and displayed online. Results like particle size or number of particles of a certain shape can be displayed as trends or size distributions. Image sequences can be stored.

Complete system: with stainless steel flow-through cell and housing, CCD camera, high power LED light source, computer and software for online image analysis.

Applications:

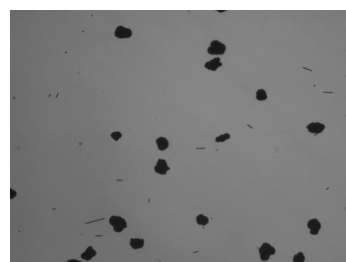
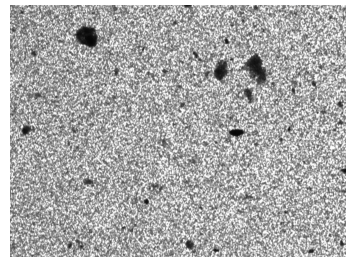
- Particles, droplets or bubbles in liquid
- Measurement of size, shape and count
- Distinction between crystalline/amorphous particles
- High pressure / high temperature
- Counting product beads into vials
- Food, pharma, polymers, chemicals, oils...

Measurement range: > 1 μm

Image sampling rate: 30 images / sec analysed online

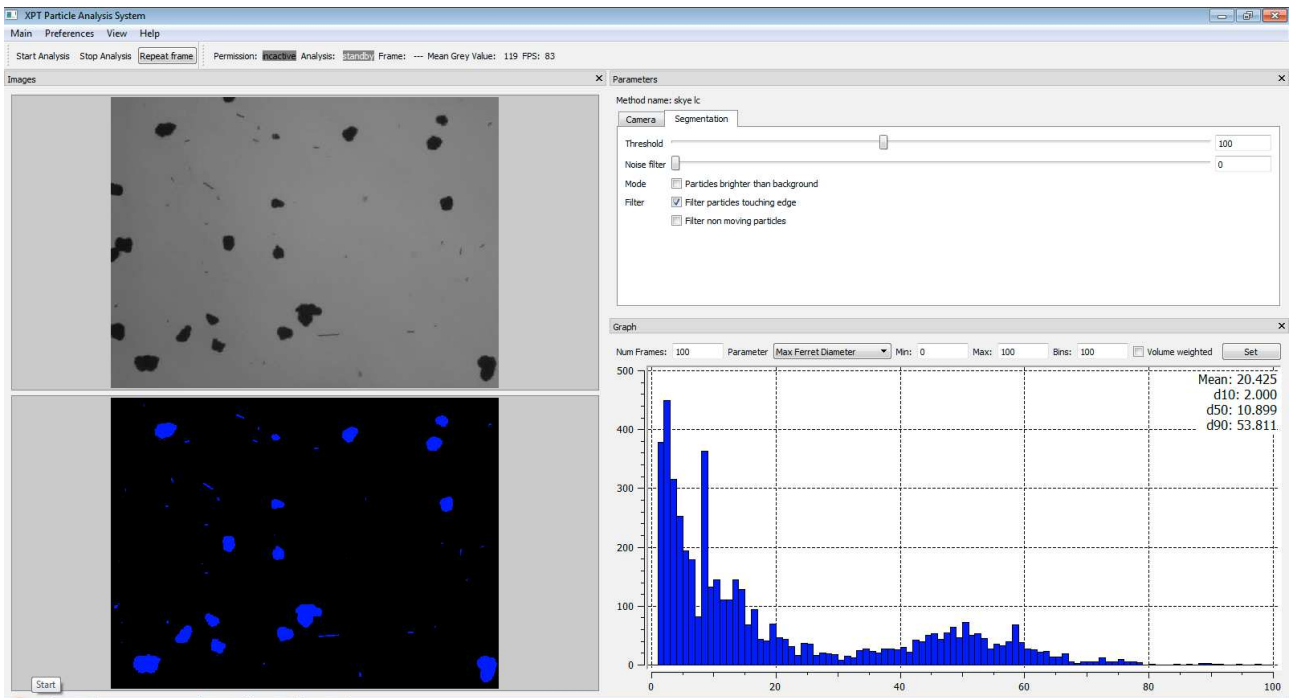
Technical Data:

- Dimensions 300 x 300 x 120mm
- Resolution 1280 x 960 Pixel, 0.3 μm /Pixel or larger
- Power supply 115/230V, rechargeable battery optional





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

