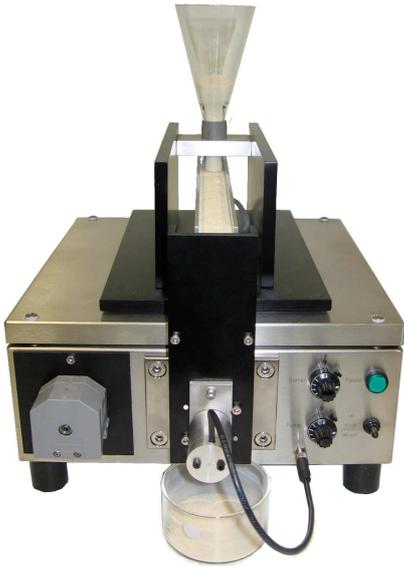
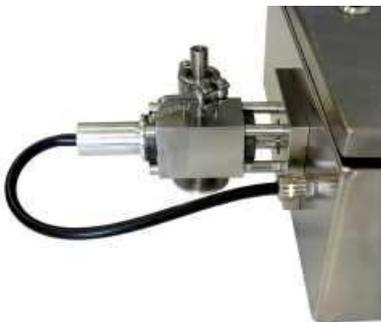


XPT-C Optical Particle Analysis Systems for Powders



Working Principle XPT-CP: The powder sample is filled in a funnel. The vibrating feeder controlled by the image analysis software is dosing the powder through the analysis cell. The particles are falling through the focussing range of the CCD camera continuously taking images which are analysed and displayed online. Results are particle size and shape distributions: diameter, length, thickness, roundness..

Flexibility for powders and suspensions: The XPT-CP unit can be transformed into a XPT-C system for measurement of suspensions simply by exchanging the flow through cell.



Working Principle XPT-CV: Particles are sucked through the measurement cell by a venturi system. A CCD camera in the IP65 housing is continuously taking images which are analysed and displayed online. Results are particle size and shape distributions: diameter, length, thickness, roundness..

Closed system: The XPT-CV system is working in a closed loop. The powder sample is fed back into the process. The housing of the unit is IP65.

Applications:

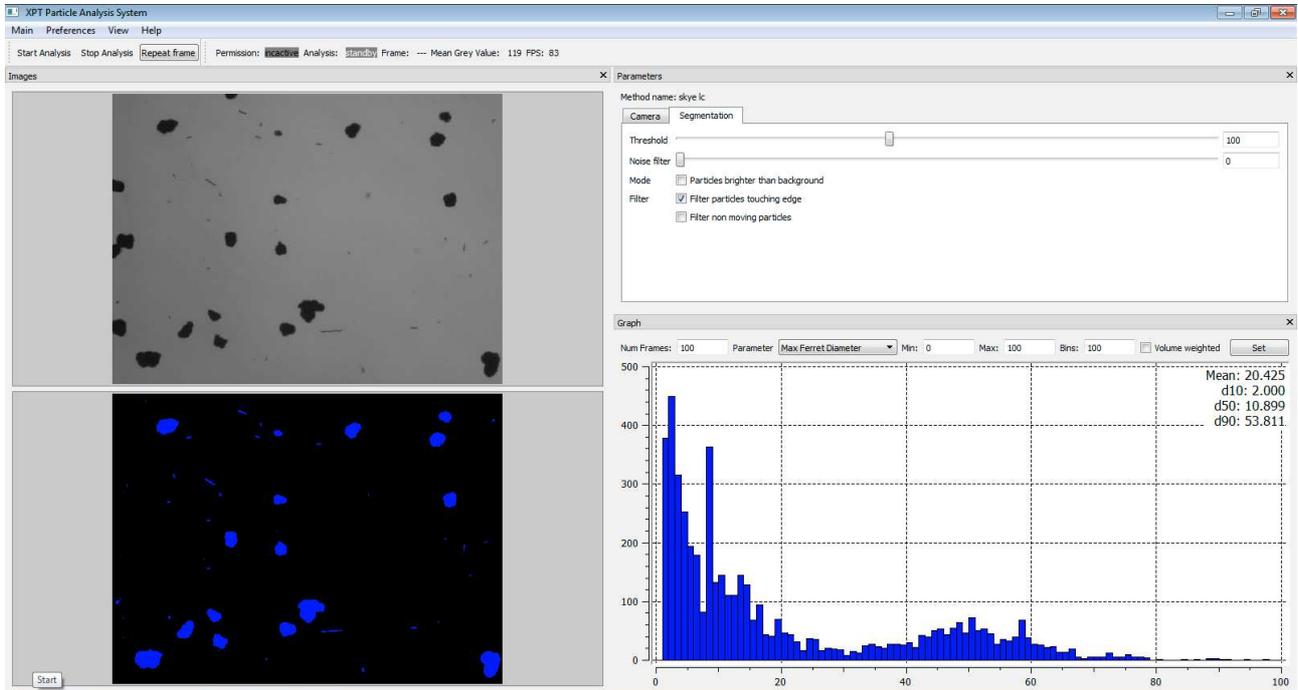
- Free flowing powders and granulates
- Measurement of particle size and shape distribution
- Detection of foreign particles by shape
- Food, Chemicals, Pharma, Detergents, Granulates

Technical Data:

- Housing dimensions 300 x 300 x 120mm plus measurement cell
- Measurement range: 10 μm – 3mm



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

