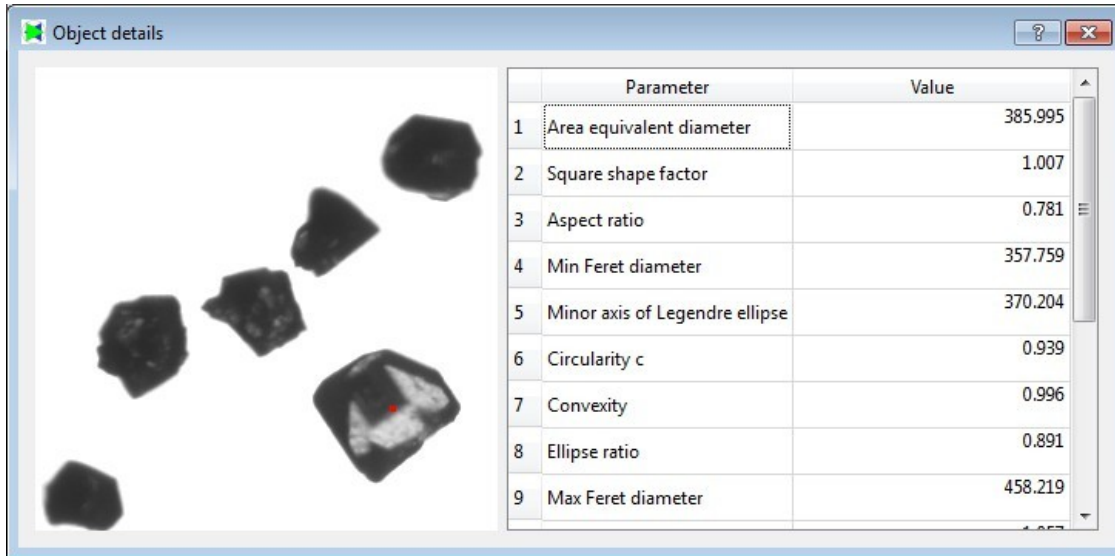# PowderShape – important analysis features

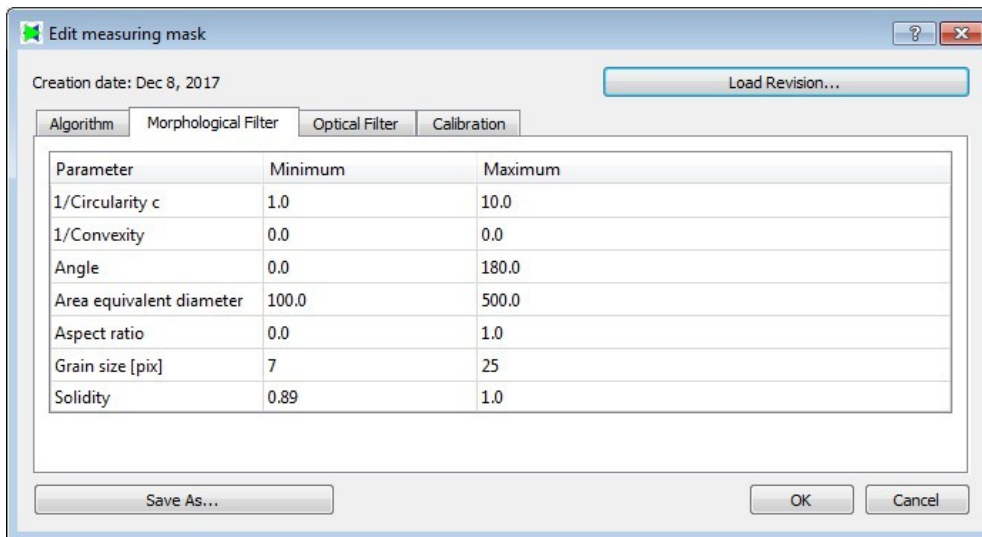**1. Every single object can be identified and the measurement values can be seen directly**

- size: area equivalent diameter, minimal and maximal FERET diameter, etc
- shape: solidity, convexity, aspect ratio, etc
- optical properties: transparency, color, brightness



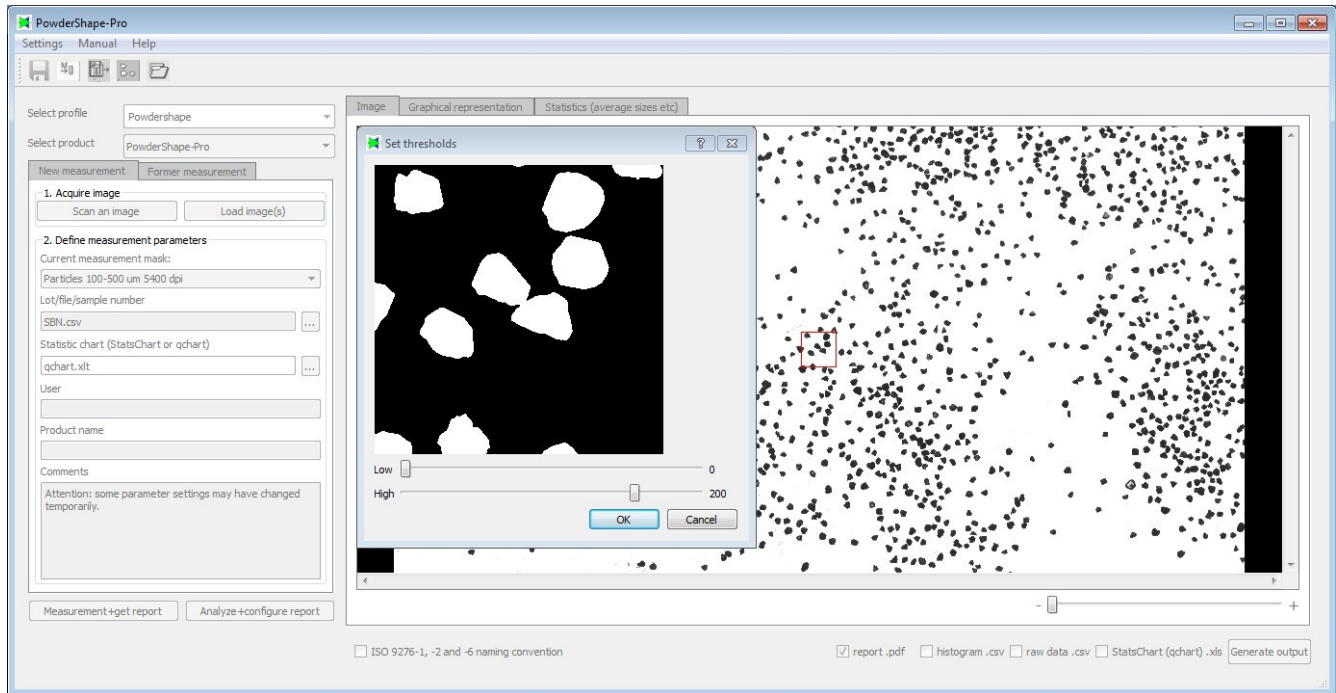**2. Well structured measurement conditions**

Four categories:

- Algorithm
- Morphological filter
- Optical filter
- Calibration



The editor permits to edit the currently active mask which makes it faster and well structured. It is responsive and interactive. You quickly get a feedback of your changes in the histograms.

**3. With right-click on the image the profile settings, threshold segmentation and resolution settings can be changed**



**4. Interactive Reporting System with many reporting capabilities**

- Report according to ISO 9276-1 (if selected)
- The following reports can be generated: report.pdf, histogram.csv, raw data.csv und qchart.xls
- The reporting system is divided in the following areas:
    - Graphical representation
    - Statistics