Quick Starter Guide

1.Double click on the SweetySpot alpha exe file, the program will execute.

2.In the action bar click on the config button and load a preconfigured setting file for the 70 or 100 nozzle also located in the SweetySpot folder. Of course you can load your own file

3.In the main tab click on tracking.

Note: The library I used for capturing is OpenCV. Sometimes in the beginning it is necessary to click more than once the tracking button. If this is not working go to the threshold tab and lower the c-constant slider value, then it will work. You should see a second window, showing you the captured camera image with the threshold.

4.Next step is to adjust the threshold. Switch to the threshold tab and play with the c-constant value and with the block size slider, until you think you have a clear, nice threshold image

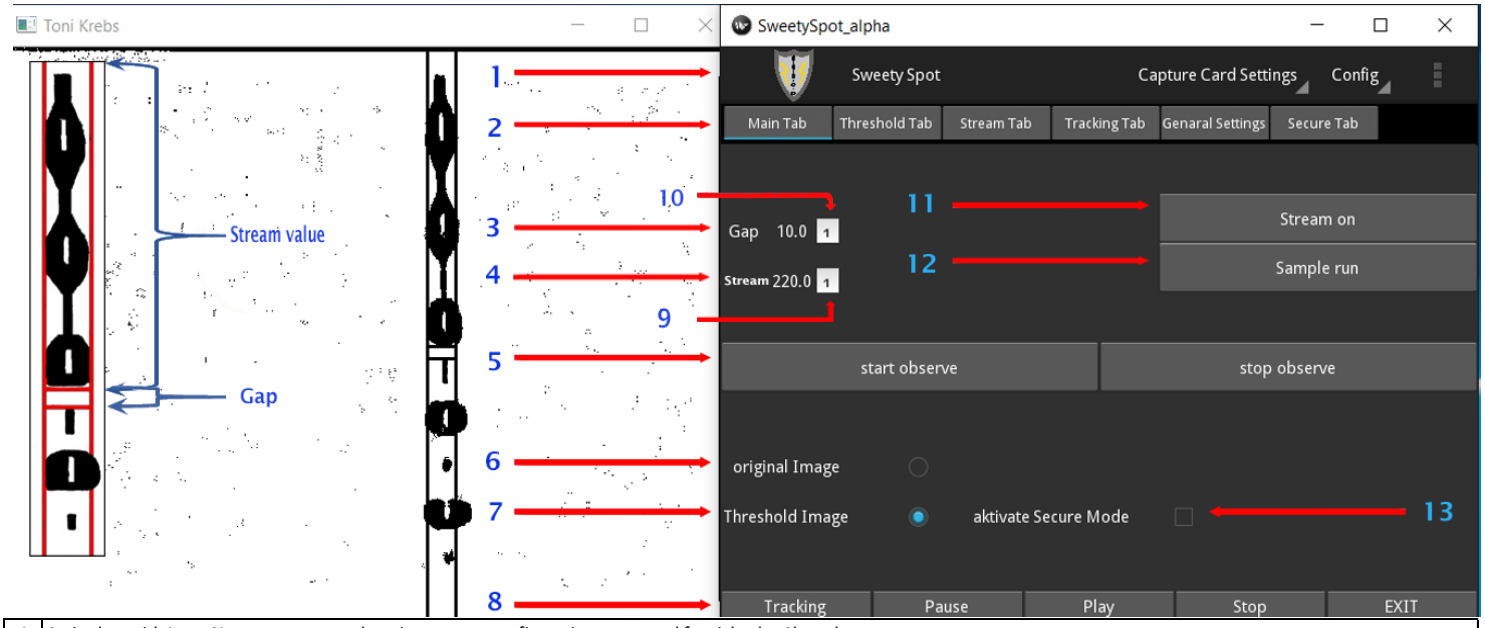
5.The calculation of the gap and stream value takes place between the two lines left and right of the stream. You have to adjust these two lines in the stream tab so that the stream is between this two lines

6.In the main tab you can see the calculated gap and stream values. For different nozzles it gives different values. For the 70 nozzle, a gap value around 7-9 is perfect.

7.If you think you have stable values and the set-up of the machine is correct, just put the live values in the user text input field. To start the observation of the break-off point, click the start observe button.

8. If you have problems running the software, you can contact me: tkflowcytometryprojects@gmail.com

I would be happy to get your feedback to improve the software. I am also open for any other suggestions or ideas.



1	Actionbar with Logo,Name,capture card settings menu, configuration menu and far right the About button
2	Tab pannel
3	Gap real time value in pixel
4	Stream real time value in pixel