

Contact:

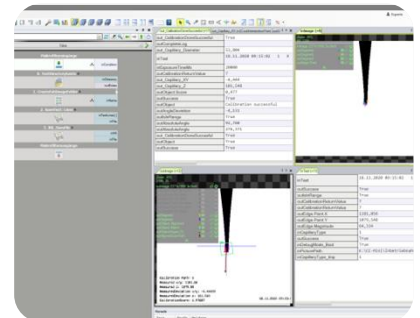
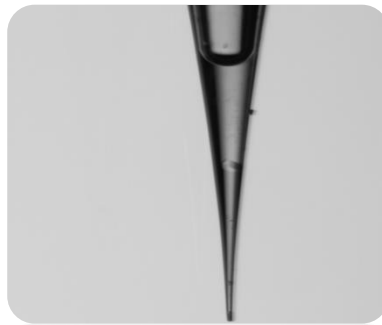
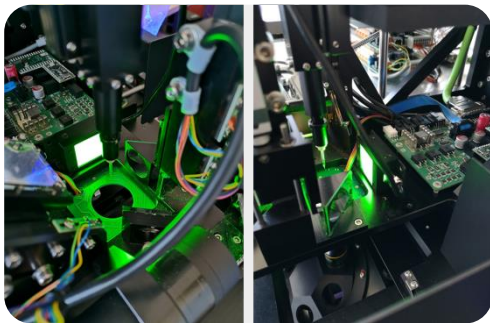
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Time
for
Science

ALS Automated Lab Solutions GmbH, as a developer and manufacturer of high-tech, worldwide used laboratory and medical equipment in the field of molecular diagnostics, cancer and stem cell research as well as pharmaceutical cell line development, is looking for a student (m/ f/ d) at its development site in Jena at the earliest possible date to write a **thesis** on the topic:

"Development of an algorithm for automated position measurement and detection of the liquid level in a glass capillary as a component of a novel, patented calibration system of CellCelector™ RC for clinical diagnostics in cancer research"



Main topics:

- + Review of the patented calibration system
- + Creation of a specification sheet
- + Implementation of an algorithm for automated position detection of a glass capillary
- + Intensive validation of the calibration procedure on a test setup
- + Scientific processing and analysis of the test results
- + Feasibility: Recognition and detection of liquid level, blockages and capillary content

Profile:

- + Advanced studies in engineering, ideally mechatronics, opto-electronics, information technology or a comparable qualification
- + Knowledge in the field of optics and image processing would be an advantage
- + Great enthusiasm in the validation and analysis of the test results
- + A high degree of creativity, enthusiasm, initiative and independence
- + An independent and result-oriented way of working

We are looking forward to your informative application!!!

18.11.2020