

DESCRIPTION OF THE START-UP	
CONTACT	DESCRIPTION OF BUSINESS ACTIVITIES
droptical GmbH Deutschland, Nürnberg Web: https://droptical-systems.com Contact: Jonas Heelein Speaker: Daniel Föste Phone: 01732 596 127 Mail: jonas.heelein@droptical-systems.com Gründung: 05.12.2022	The start-up droptical has developed various innovations in the field of micro-dosing technology. These include miniaturized drop generators for low-viscosity fluids as well as camera technology for continuous quality monitoring and process control. These are needed in many industries such as pharmaceuticals, biology and industrial manufacturing. Example applications for the dispenser are contact angle measurement or the coating of surfaces, for the camera the monitoring of coating processes or the dispensing control of pharmaceutical products.
PRODUCT, TECHNOLOGY, KNOW-HOW, EXPERTISE	
<ul style="list-style-type: none"> ▪ The "ClickJet" jet dispenser is optimized for low-viscosity liquids in the 20 µl – 10 nl range and does not require any additional tubing due to the nozzle-cartridge combination. It weighs only 14 grams and can therefore be easily integrated almost anywhere. ▪ The "NanoStrobeX" camera is a high-resolution 3D miniature camera for monitoring contactless dosing processes. Liquids are photographed as they fly past and parameters such as volume, direction of flight or contamination of the nozzle are determined. Due to the degree of miniaturization, the camera can be attached directly to the dosing head. ▪ Furthermore, droptical has extensive know-how in special machine construction, which means that developments of machines and devices for customers in the area of dosing/camera processes are very welcome. ▪ What is unique about the dispenser is the high degree of miniaturization and the 1-click nozzle exchange, which allows fluids to be exchanged without contamination. Optical process monitoring of non-contact dosing processes does not currently exist because various companies' attempts to implement it have failed. 	
SUCCESS STORIES	
<ul style="list-style-type: none"> ▪ One round of financing according to the EXIST scholarship, currently 2 purchase contracts. ▪ 7 full-time employees, 2 mini-jobs, 1 working student, 1 thesis ▪ Recent successes have been in the field of pharmaceuticals and bio-printing. 	
WHAT ARE YOU LOOKING FOR AT THE TRADE FAIR?	
<ul style="list-style-type: none"> ▪ Customers for coating and process monitoring. ▪ We are also looking for strategic partners for joint product development. 	