



Pico/nano/micro drop dispensing platform using unique disposable cartridges for non-contact and no cross-contamination dispensing In Life Sciences and Industry

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Abstract:

PolyPico Technologies Ltd. provides off the shelf and custom solutions to meet precision drop dispensing needs pico nano micro liter based on their award winning technology: “Most Interesting Technology” 1 awarded by the European Laboratory Robotics Interest Group (ELRIG) in 2014. PolyPico’s unique disposable dispensing cartridges allow for the rapid changeover of fluids in less than a minute, avoid s cross contamination, and help to achieve dispensing goals in a fraction of the time and at a fraction of the cost of alternative solutions. The use of disposables when handling liquids is the preferred methodology to avoid cross contamination in the Life Sciences and PolyPico’s disposable dispensing cartridges are similar to disposable pipette tips in this regard. However, volumes of liquid as low as 20pl, can be dispensed with picolitre precision. PolyPico systems are extremely user friendly and most people are dispensing fluids within 30minutes of unpacking the system

Applications include:

- Life Sciences: dispensing of proteins, anti-bodies; DNA; pharmaceuticals; biological reagents; micro crystals; living cells; etc
- Industry: dispensing of cyanoacrylate adhesives; nano materials; conductive inks; lubricants; radioactive ma-



terials and coatings.

Biography:

PolyPico Technologies Ltd. is an innovative and exciting young company based in Ireland. Theo Guillerm, part of the Polypico team, is a young biotechnologies engineer interested in microfluidics and nanotechnologies, from France.

Recent Publications:

- Theo Guillerm; Pico/nano/micro drop dispensing platform using unique disposable cartridges for non-contact and no cross-contamination dispensing In Life Sciences and Industry; Webinar on Microfluidics and Nanofluidics; September 25, 2020

[Webinar on Microfluidics and Nanofluidics | September 25, 2020](#)

Citation: Li Zhang; A Novel Plug-and-Play Coaxial Microfluidic Device and Preparation of Hierarchical Porous Carbon Microspheres; Webinar on Microfluidics and Nanofluidics; September 25, 2020