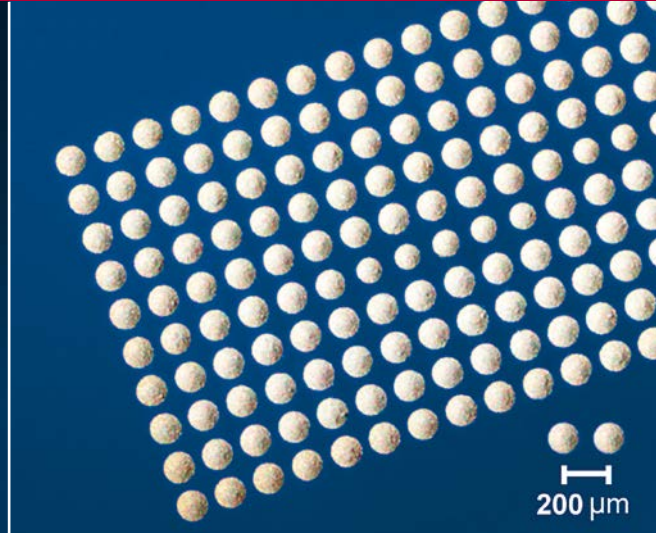
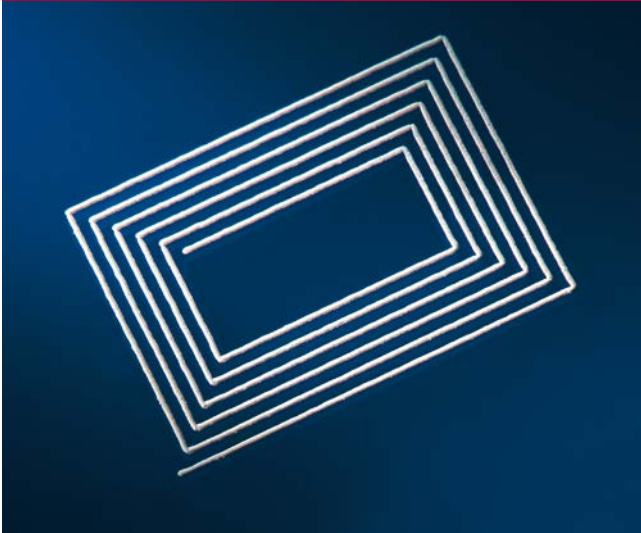


Polymer Electronics printed by Inkjet Technology



microdrop Services

- Liquid Tests
- Application Tests
- Customized Solutions
- Training

microdrop Products

- Autodrop Platform
- Micro Dispensers
- Evaluation Kits



Advancing the Art of Microdispensing

Inkjet Printing

Inkjet printing is set to replace expensive photolithography and spin coating processes. New products like polymer circuits and displays are made possible by this technology. For this approach materials like conducting polymers or semiconducting polymers, which are filled with nanoparticles, are under development.

microdrop Technologies is the leading provider of equipment, software and services for advanced microdispensing and inkjet printing applications. The technology from microdrop is a versatile tool for liquid handling and material deposition. Our customers are supported by a broad range of services. A team of skilled engineers and technicians guarantees the best solution for your application in Microtechnology, Nanotechnology, Material Science, Biochemistry and Medicine as well as Plastic Electronics.

Autodrop Platform

The Autodrop platform consists of a number of modules that can be combined in different ways to get an optimal set up. This allows the automated use of the microdrop inkjet technology.

Different stages, types and dimensions provide the right tool for your application. As well as the Autodrop Professional solution, the Autodrop Compact System and the Autodrop Gantry System with customized options such as reel to reel applications or wafer handling complete our product series.

For any specific application a variety of solvents are shown on <http://www.microdrop.de/solvents.html>

Polymer Electronics printed by Inkjet Technology



Autodrop Compact System

- Table top unit
- xyz: 210 x 210 x 110 mm³
- Accuracy (x- and y-axis alone):
Positioning: +/- 25 µm
Repetition: +/- 10 µm

Options:

- Flowbox



Autodrop Professional System

- Stand alone system
- xyz: 200 x 200 x 100 mm³
- Accuracy (x- and y-axis alone):
Positioning: +/- 5 µm
Repetition: +/- 1 µm

Options:

- Flowbox
- other sizes (e. g. 1 m x 1 m)



Autodrop Gantry System

- Stand alone system
- xyz: 360 x 600 x 100 mm³
- Accuracy (x- and y-axis alone):
Positioning: +/- 10 µm
Repetition: +/- 3 µm

Options:

- designed for inline production
- extension by feeding system