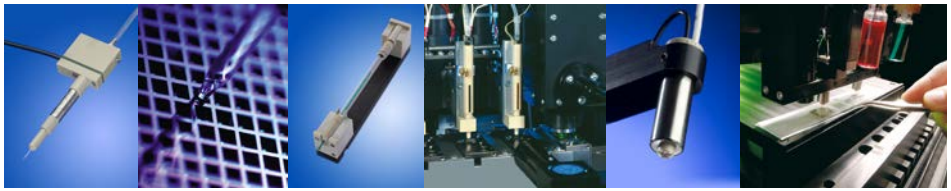
TECHNICAL DATA

Printing System Autodrop Compact	
Drive	DC-Servomotors 20 W
Travel range	x-axis 210 mm, y-axis 210 mm, z-axis 110 mm
Positioning accuracy	± 25 µm each axis
Repetition accuracy	± 10 µm each axis
Acceleration	max. 500 mm/s^2
Load	max. 5 kg for y-table, 1 kg for x- and z-axis
Speed	max. 75 mm/s
Servo Control	3-axis servo-control, RS 232, freely programmable
Dimensions tabletop unit	w: 562 mm / h: 772 mm / d: 550 mm
Weight	65 kg



microdrop Technologies GmbH
Tycho-Brahe-Kehre 1
22844 Norderstedt/ Germany

Phone: +49 (0)40 53 53 83-0
Fax: +49 (0)40 53 53 83-24

info@microdrop.de
www.microdrop.de

microdrop
TECHNOLOGIES

THE TABLE TOP SOLUTION FOR INKJET PRINTING AND MATERIAL DEPOSITION

Printing System Autodrop Compact

microdrop
TECHNOLOGIES

ADVANTAGES

- contactless dispensing in picoliter range
- large viscosity range
- tabletop unit
- software controlled 3-axis system
- high flexibility
- good material resistance
- easy refilling and cleaning
- no disposable parts
- no follow on costs
- optional: graphic editor with continuous path control

The Printing System Autodrop Compact is a versatile tool for inkjet printing and material deposition. In combination with microdrop dispenser heads or pipettes the Autodrop Compact allows an easy start for using the inkjet technology in numerous fields. The optional Graphics Design Editor enables the operator to define own free designed pattern like curves and lines. Vector based graphic files (dxf-format) are importable.

APPLICATION EXAMPLES

Printed Electronics

- nano particles (Ag, Au, ITO, etc.), conductive adhesives, conducting polymers, RFID tags

Life Science

- drugs, DNA, proteins, enzymes, cells, coating, conductive tracks

Medical Engeneering

- coating of implants, tissue engeneering, high-throughput screening

Polymer Research

- functional (block co) polymers, coatings, suspensions, dispersions, photonic crystals, combinatorial experimentation