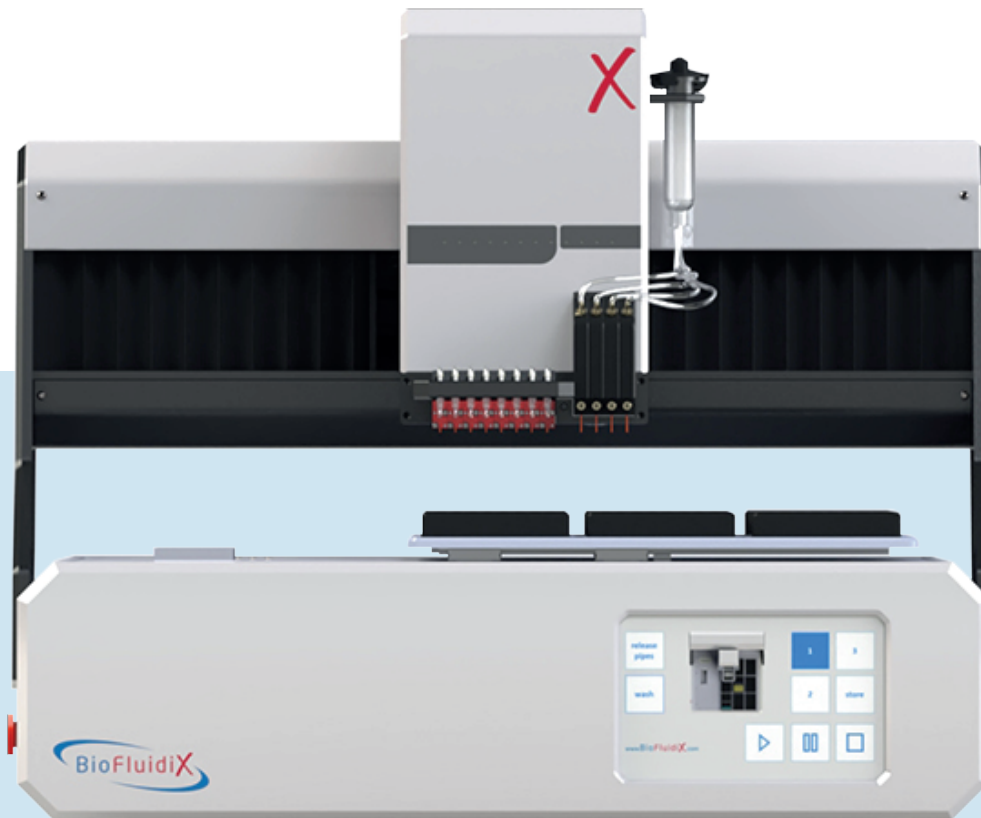


# BIOSPOT<sup>®</sup> Custom

Benchtop Drop-On-Demand liquid handling platform  
for pico-, nano- and microliter dispensing



**ACCURATE & PRECISE** - Robust dispensing performance from 35 pL - low  $\mu$ L volume range

**FULL FLEXIBILITY** - Compatible with SiJet, PipeJet<sup>®</sup> and ValveJet technology

**FREELY CONFIGURABLE** - Broad range of accessories to fit all needs

**PROCESS CONTROL** - Optical control features ensure a robust day-to-day performance

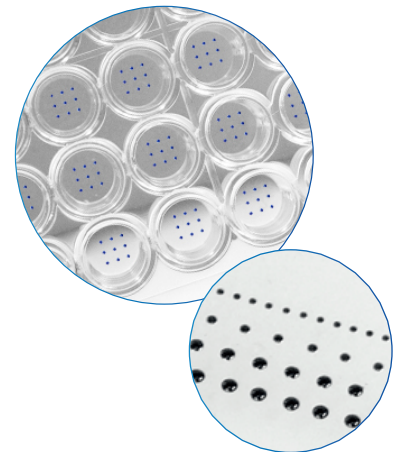
**INTUITIVE INTERFACE** - User friendly software with touch control

**PROCESS ALL SUBSTRATES** - Manufacture high quality arrays on any substrate (MTP, glass, cellulose,...)

## Product Specification

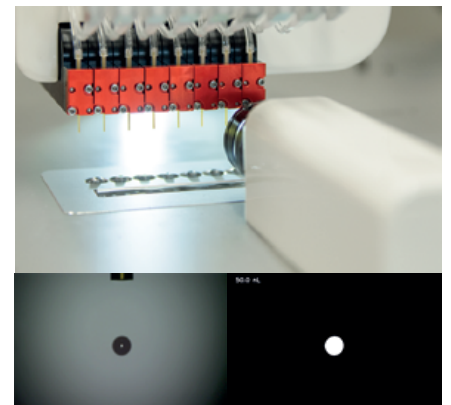
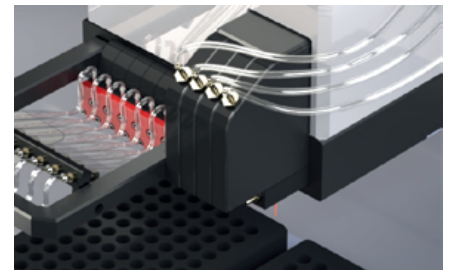
The BioSpot® Custom provides a precise and reliable way to automate liquid handling workflows. The flexible platform can be equipped with a broad range of BioFluidix standard tools to meet the requirements of an individual application.

- Drop-On-Demand dispensing in the 35 pL - low  $\mu$ L volume range
- Precise droplet delivery on any substrate
- Automated single droplet calibration independent of liquid classes
- High quality control of dispensing performance via TopView
- Ultra-low dead volume
- Software: Preprogrammed commands to set up an individual workflow



## Technical Information

Dispenser:	Non-contact, piezo-actuated (pL - SiJet) Non-contact, piezo-actuated (nL - PipeJet®) Non-contact, em-valve ( $\mu$ L - ValveJet)
No. of channels:	up to 8 (SiJet / PipeJet®) + 4 (ValveJet)
Pitch:	9 mm
Step size	1 $\mu$ m
Control features:	SmartDrop - automated volume calibration & validation TopView - precise dispenser alignment & QC
De-ionizer:	Optional
Touchscreen:	yes
Aspiration:	Optional for PipeJet®
Washing:	Optional for PipeJet®
Movable Tray:	Optional - extends addressable area (3 x 3 MTP)
Dimensions:	649 x 580 x 461 (L x W x H in mm)
Computer:	On-board (Windows)



## Applications

- DNA, protein arrays
- Cell dispensing
- Manufacturing of diagnostic chips
- MALDI-MS sample preparation
- Dilution series
- Dispensing on membranes
- Microneedles coating
- Protein crystallography
- Biosensor / Wafer loading
- Lateral flow assay