

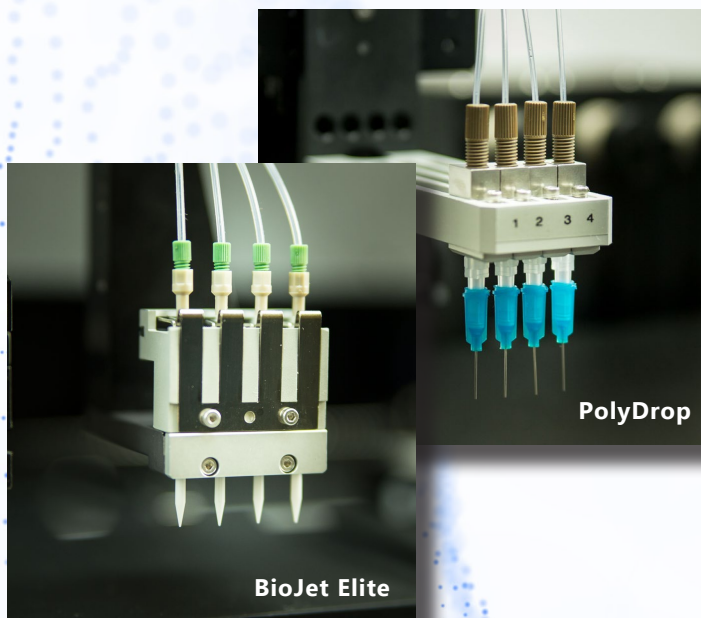
High Speed Aspirating and Dispensing System

Applications:

- DNA, Cell, Protein Dispensing
- Microarrays
- Multiplex ELISAs
- Biosensors
- Biochips, Lab-on-a-Chip
- Low Volume PCR
- Custom Applications



The AD3220 dispensing system offers superior positional accuracy, speed and a large dispensing area. This workstation is designed for high speed aspirating and dispensing applications onto glass slides, microtiter plates, membranes or any custom surface.



Features/Benefits:

- Create High Quality Arrays
- Aspirate/Dispense and/or Bulk Dispense*
- R&D and Production Throughputs
- Volumes from 1.3 nL to > 2 μ L Single Drop*
- Non-Contact or Semi-Contact Dispensing*
- Up to 8 Dispensers
- Dispense onto Slides, Plates, Membranes, etc...
- Superior Service and Support

Description:

- Motorized X, Y, Z Axes
- Integrated Wash/Vacuum Station
- Flexible AxSys Control Software
- PC Control Workstation
- Nest Choice (Glass Slide, MTP, Vac/Mag, Custom)
- ILD5000 In-Line Degasser
- Optional Humidity Chamber

TECHNICAL SPECIFICATIONS

Dispense Area

- 420 mm x 260 mm

System Precision

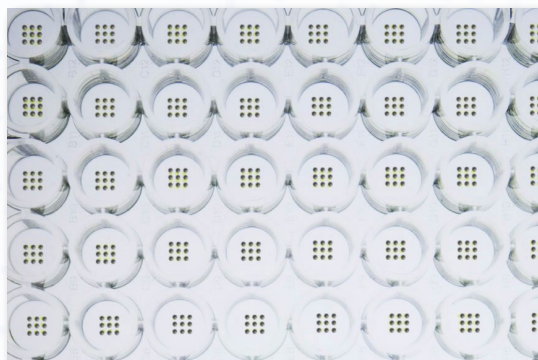
- X, Y and Z-Axis typically < 10 μm

Choice of Nest

- 8 Position MTP
- 50 Position Glass Slide
- Vacuum/Magnetic Hold Down
- Custom User Defined

Optional Humidity Chamber

Optional Vacuum Pump



GENERAL SPECIFICATIONS

Dimensions (L x W x H)

- 800 mm x 425 mm x 350 mm

Weight

- 72.7 kg

Power Requirement

- 110/220 VAC; 50/60 Hz

Vacuum Requirement

- Vacuum Station: -15 to -20 inHg

DISPENSING OPTIONS

Number of Dispensers

- Up to 8 (any combination)

BioJet Elite Dispenser - Solenoid, Drop-on-Demand

- 1.3 nL - 2.0 μL as a Single Drop*
- Multi-Drop Flexibility
- Volume Accuracy \pm 5% of Target*
- Volume Precision < 5% CV*

PolyDrop Dispenser - Syringe with Luer Tip

- Near contact volumes > 25 nL*



*Table speed, material and/or reagent dependent
Specifications subject to change without notice

Fully Programmable Low Volume Dispensing System