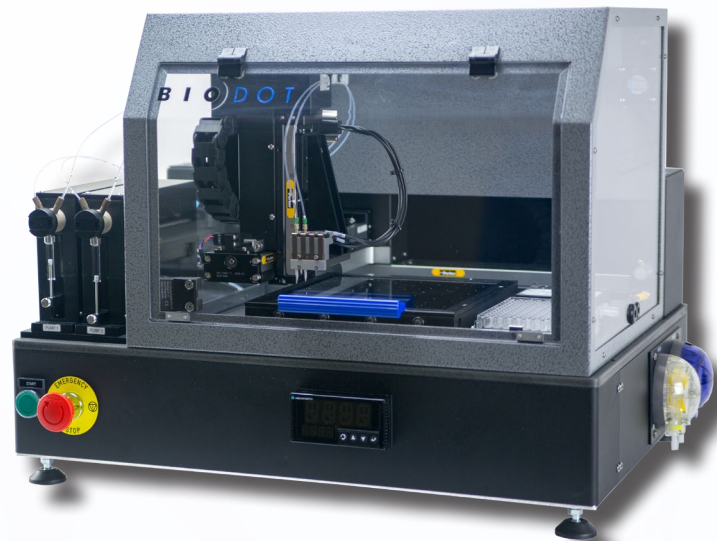


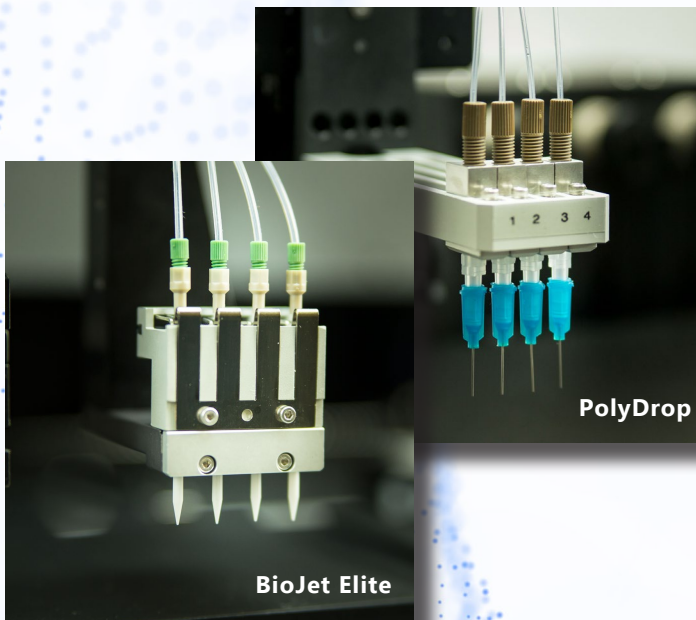
High Speed Aspirating and Dispensing System

Applications

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



The AD1520 is a tabletop workstation designed for high speed aspirating and dispensing applications to glass slides, microtiter plates or membranes. It has a compact footprint making it ideal for a research laboratory to investigate new applications.



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 4 Dispensers
- Dispense onto Slides, Plates or Membranes
- 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
- Integrated Humidity Chamber

TECHNICAL SPECIFICATIONS

Dispense Area

- 185 mm x 200 mm

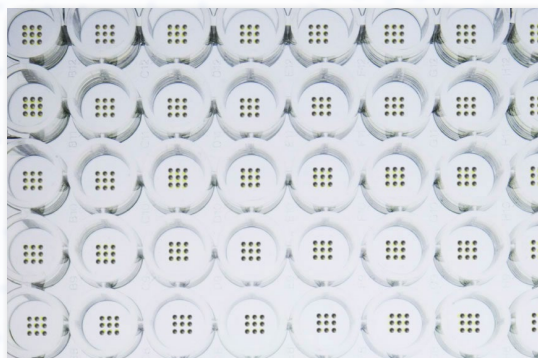
System Precision

- X, Y and Z-Axis typically < 10 μm

Choice of Nest

- 3 Position MTP
- 14 Position Glass Slide
- Vacuum/Magnetic Hold Down
- Custom User Defined

Optional Vacuum Pump



GENERAL SPECIFICATIONS

Dimensions (L x W x H)

- 50 cm x 63 cm x 50 cm

Weight

- 36.6 kg

Power Requirement

- 110/220 VAC; 50/60 Hz

Vacuum Requirement

- Vacuum Station: -15 to -20 inHg

Wash/Waste Station

- Wash Flow Rate: 2 mL/sec
- Waste Flow Rate: 4 mL/sec

DISPENSING OPTIONS

Number of Dispensers

- Up to 4

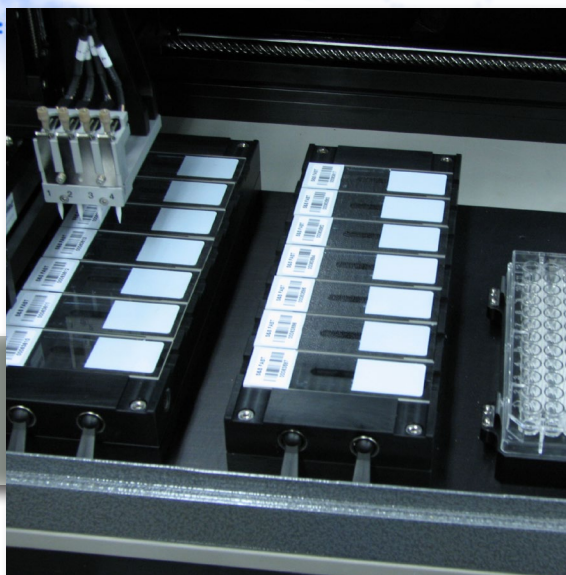
BioJet Elite Dispenser - Solenoid, Drop-on-Demand

- 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

- Semi-Contact volumes >25 nL*

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



Fully Programmable Low Volume Dispensing System