

XYZ Dispense Workstations

BATCH RAPID TEST SYSTEM

FEATURES AND BENEFITS

Precision Dispensing

- Quantitative dispense volumes

Flexible

- Optional configuration to have Front Line, BioJet Quanti, or AirJet Quanti Dispensers
- Menu driven operating software
- Vacuum magnetic holddown Nest

Footprint

- Small design that can accommodate R&D and manufacturing needs

PERFORMANCE

AirJet Quanti Repeatability

- $\pm 1\%$ (line dispensing)

AirJet Quanti Dynamic Dispense Range

- 1 μL per cm - 22 μL per cm

Front Line Repeatability

- $\pm 1\%$ (line dispensing)

Front Line Minimum Continuous Line Width

- 0.33 mm*

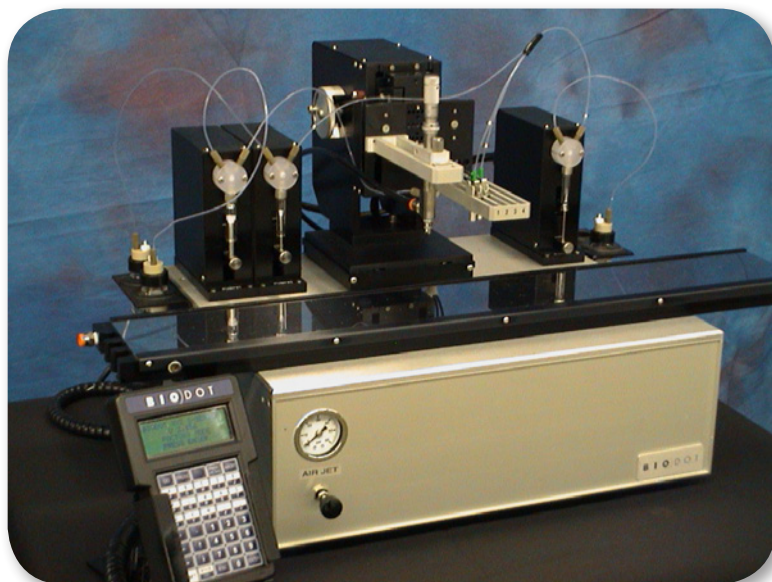
BioJet Quanti Dynamic Dispense Range

- 5 nL - 4 μL

Positional Accuracy

- $\pm 10 \mu\text{m}$ in one axis and $\pm 20 \mu\text{m}$ in two axis

**Dependent on fluid rheology and substrate properties.*

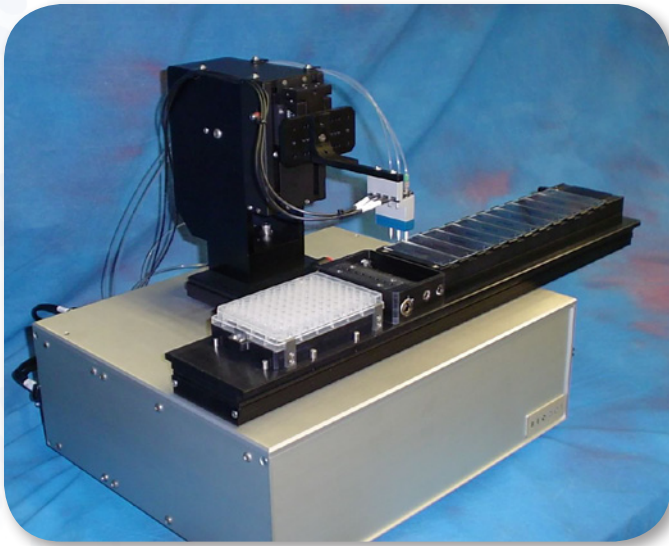


The XYZ series are powerful and production tools for Rapid Test development and manufacturing. The simplest of three platforms, the ZX1010 is an X-only stripper with simultaneous dispensing. The ZX system can have a maximum of 8 Front Line, 8 BioJet Quanti, or 1 AirJet Quanti dispenser.

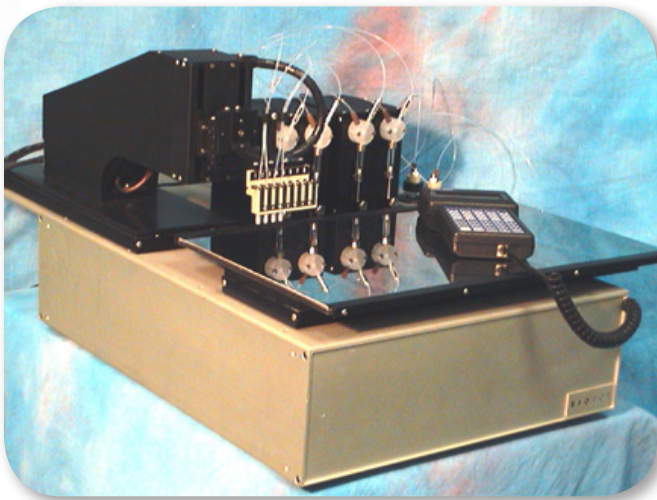
The second model in the series is the XYZ3060. The 3060 is flexible XY dispense system with a motorized Z-axis and fully programmable coordinates and dispense parameters. The XYZ3060 also has the capability for simultaneous dispensing or individual dispense of lines and dots. Using the 3060 platform, a maximum of 8 Front Line, or 8 BioJet Quanti, or 4 AirJet Quanti dispensers can be configured.

The XYZ3210 has all the features of the XYZ3060 plus a larger working area for larger membranes. Using the 3210 platform, a maximum of 8 Front Line, 8 BioJet Quanti, or 4 AirJet Quanti dispensers can be configured.

XYZ DISPENSING WORKSTATIONS - BATCH RAPID TEST SYSTEMS



ZX1010 Configured with 2 BioJet Quanti and 1 AirJet Quanti Dispenser.



XYZ3210 Configured with 4 BioJet Quanti.

SPECIFICATIONS

Dimensions (L x W x H)

- ZX1010: 17 in x 14 in x 16 in
- XYZ3060: 17 in x 14 in 16 in
- XYZ3210: 19 in x 32 in x 16 in

Weight

- ZX1010: 55 lb (25 kg)
- XYZ3060: 55 lb (25 kg)
- XYZ3210: 98 lb (44.5 kg)

Power Requirement

- 110/220 VAC; 50-60 Hz (for all models)

Air Requirement

- Air supply; 45-60 psi (when AirJets are configured)

Dispense Area

- ZX1010: 450 mm x 70 mm
- XYZ3060: 450 mm x 70 mm
- XYZ3210: 450 mm x 260 mm

OPTIONS

Dispense Modes

- **Front Line:** Gliding tips for multiple fine lines
- **AirJet Quanti:** Quantitative spraying and coating
- **BioJet:** Quantitative non-contact line and drop dispensing

Optical (wet/dry) Sensing with Bad Part Marking

Substrate Nest

Humidity Control

Vacuum Pump

Reagent Degasser