

XYZ Dispense Workstations

Batch Rapid Test Systems



PRODUCT DESCRIPTION

The XYZ series are a powerful and productive tool for Rapid Test development and manufacturing. The simplest of three platforms, the ZX1000 is an X-only striper with simultaneous dispensing. The ZX system can have a maximum of 8 FrontLine, 8 BioJet Quanti, or 1 AirJet Quanti dispenser.

The second model in the series is the XYZ3050. The 3050 is a flexible XY dispense system with motorized Z-axis and fully programmable co-ordinates and dispense parameters. The XYZ3050 also has the capability for simultaneous dispensing or individual dispense of lines and dots. Using the 3050 platform, a maximum of 8 FrontLine, or 8 BioJet Quanti, or 4 AirJet Quanti dispensers can be configured.

The XYZ3200 has all the features of the XYZ3050 plus a larger working area for larger membranes. Using the 3200 platform, a maximum of 8 FrontLine, or 8 BioJet Quanti, or 4 AirJet Quanti dispensers can be configured

FEATURES AND BENEFITS

PRECISION DISPENSING

- Quantitative Dispense Volumes

FLEXIBLE

- Optional Configuration to have FrontLine, BioJet Quanti, or AirJet Quanti Dispensers
- Menu Driven Operating Software
- Vacuum Magnetic holddown Nest

FOOTPRINT

- Small design that can accommodate R&D & Manufacturing Needs

PERFORMANCE

AirJet Quanti Repeatability :
 $\pm 1\%$ (line dispensing)

AirJet Quanti Dynamic Dispense Range:
1 μL per cm - 22 μL per cm

FrontLine Repeatability :
 $\pm 1\%$ (line dispensing)

Front Line Minimum Continuous Line Width:
0.33 mm*

BioJet Quanti Dynamic Dispense Range
20 nL - 2 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

SPECIFICATIONS

DIMENSIONS (L x W x H)

ZX1000: 17" x 14" x 16"

XYZ3050: 17" x 14" x 16"

XYZ3200: 19" x 32" x 16"

WEIGHT

ZX1000: 55 lbs

XYZ3050: 55 lbs

XYZ3200: 98 lbs

POWER REQUIREMENT

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

AIR REQUIREMENT

Air Supply: 45-60 psi (when AirJets are configured)

DISPENSE AREA

ZX1000: 450 x 70 mm

XYZ3050: 450 x 70 mm

XYZ3200: 450 x 260 mm

OPTIONS

DISPENSE MODES

FrontLine: Gliding tips for multiple fine lines

AirJet Quanti: Quantitative spraying and coating

BioJet Quanti: Quantitative non contact line and drop dispensing

OPTICAL (wet/dry) SENSING WITH BAD PART MARKING

SUBSTRATE NEST

HUMIDITY CONTROL

VACUUM PUMP

REAGENT DEGASSER



XYZ3050 Configured with 2
BioJet Quanti and 1 AirJet
Quanti Dispenser



XYZ3200 Configured with 4
BioJet Quanti