

Matrix™ 1600

Dispensing Module

Up to 20,000,000
strips/yr*

Dispense Pumps
Capable of dispensing
stripes or dots

Flexible
Development or production
in one module

Dispensing
Precise and accurate non-contact
or contact dispense

Integrated Control Panel
Program dispense rates & speeds,
and easily call up different recipes

Warranty: 36 Months



The *Matrix 1600* provides a low cost solution for reagent striping onto lateral flow test strip products. Easy setup makes it ideal for product development.

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Capacities

Sheet size: 100 mm x 320 mm
 Number of dispense pumps: 1 to 4
 Supply reservoir: 5000 µl
 Syringe: 100 µl (standard size) – 1 ml

Dispensing Capabilities

Minimum dot volume: 0.5 µl
 Minimum dot spacing: 2 mm
 Stripe Volume: min 0.5 µl to max 20 µl up to ± 3%
 Platen speed: 2 cm to 12 cm/sec ± 1%
 Line spacing: 0 mm to 80 mm

Accuracy

Dispense Rate: 0.5 - 2 µl/cm ± 5%, 2 - 20 µl/cm ± 3%
 Platen speed: ± 1%

Facilities Requirements

Power: 110/230 VAC 50/60 Hz 3 A Single Phase
 Process Air: 85 lpm @ 5.86 bar

Dimensional Specifications (approx.)

Size: 55.9* cm W x 48.3 cm D x 38 cm H
 Pumps add additional height - MX10 48.9 cm, CX7 36.2 cm
 *Moving platen extends up to 13 cm beyond chassis
 Weight: 27 kg

Key Features

Can dispense both contact and non-contact simultaneously
 Non-contact pumps can also dispense in contact mode
 Easy change from lines to dots
 Low cost consumables & maintenance
 Ability to store up to 6 different recipe names and configurations including syringe size and syringe fill volume

Options

Contact or non-contact dispensing
 Various syringe sizes available
 Custom brackets for closer line dispense



Non-contact Dispense



Contact Dispense



Easy to Use Integrated Touch Screen



Specifications subject to change without notice