

DIGISPENSE® STRIPER

LINEAR REAGENT DISPENSING FOR LATERAL FLOW ASSAYS (LFA)

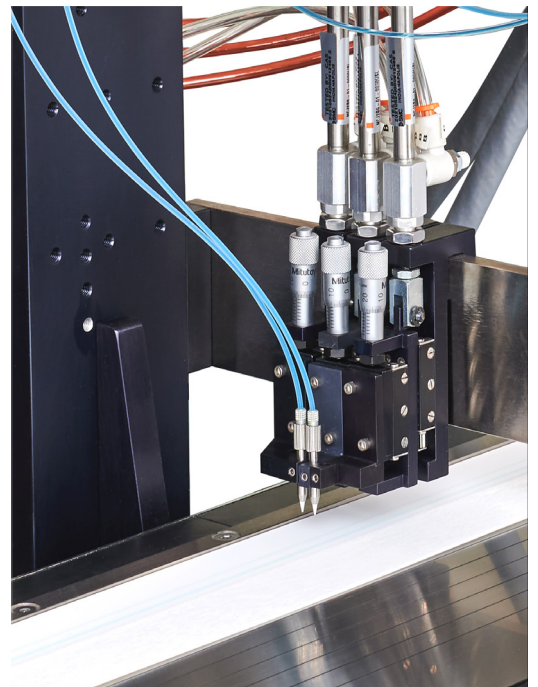
1-800-356-4746

FEATURES AND BENEFITS

- Up to 8 independently controlled continuous reagent lines
- Up to 8 independently controlled dispense tip positioning fixtures
- Substrate dimensions up to 110mm x 450mm accommodated (Max Strip Length 450mm)
- Continuous fluid impregnation operator selectable from 1-450mm long
- Custom vacuum plate holds membrane substrates firmly in place
- Linear travel rate operator selectable from 1-100 mm/sec
- Accuracy/Repeatability < 1% Cv
- Capable of pumping high viscosity fluids (1,000+ cps)
- Able to dispense materials with additives
- Optional bubble detection/loss of fluid sensor(s)
- Gantry mounted dispensers for maximum accessibility to pumping chambers
- Minimum spacing between dispense tips 5 mm
- Ultra high purity ceramic dispense tips with bore sizes from 0.003"-0.007" with 0.010" and 0.012" options as well.
- Designed for use with DigiSpense 4000 controllers:
 - Continuous dispensing rate operator selectable down through 0.1 μ l/sec.
 - Dispensers fitted with 1A – 4A pump heads, depending on flow volume required
 - Digital volume and flow rate control adjustment
 - LCD display of all dispensing parameters
 - Automatic pump priming and reloading
 - Micro-stepped pumps and bed for better resolution at low volume
 - Computer interface – RS232 or EtherNet/IP™



Linear Reagent Striper
w/ two actuators mounted (2-tip)



Dispensing 2 Reagent Lines onto Substrate



ISO 9001 CERTIFIED
ISO 13485 CERTIFIED

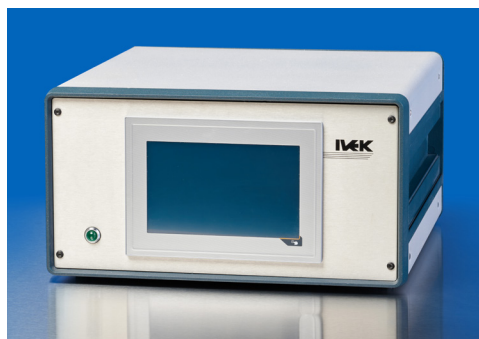


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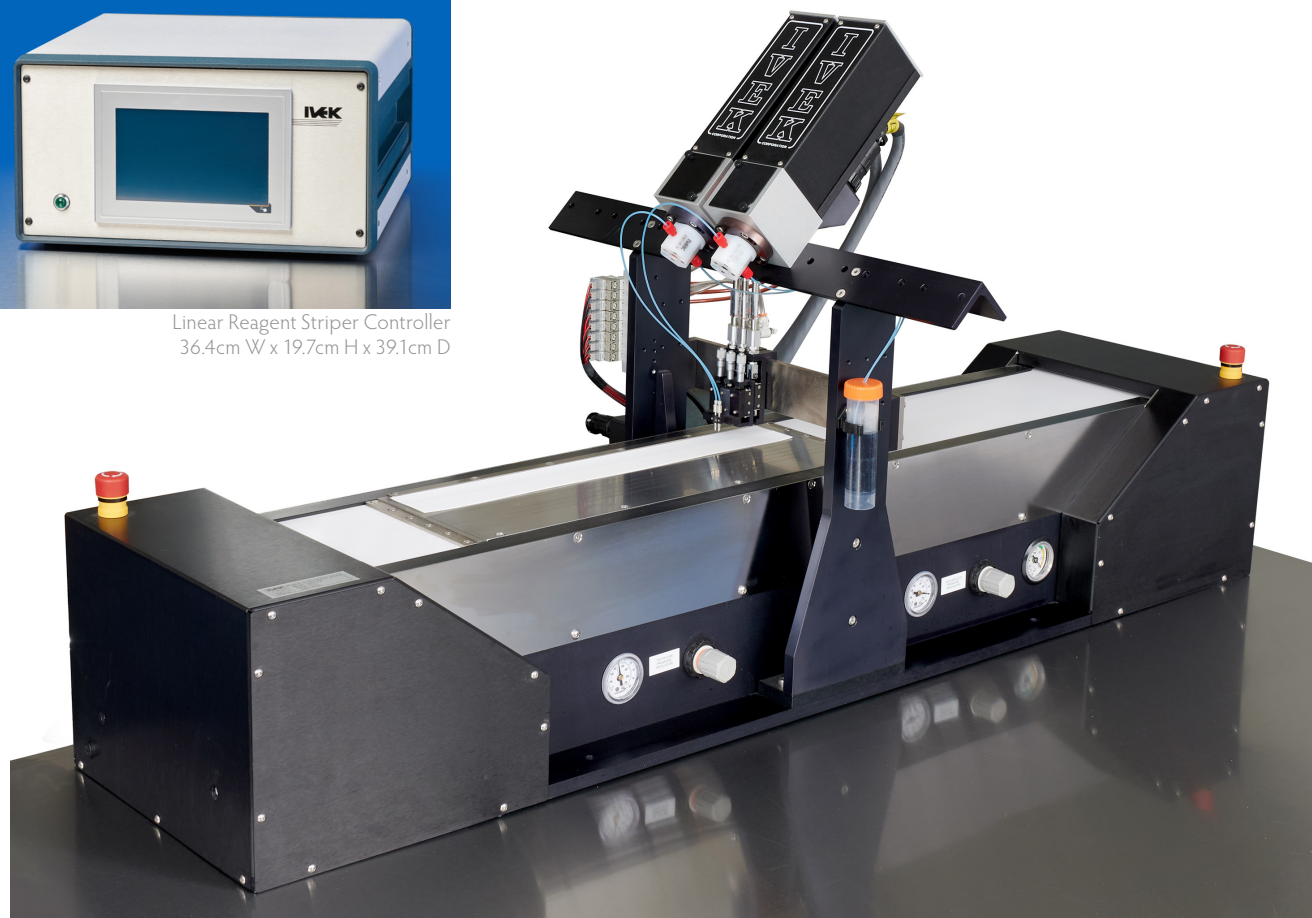
DIGISPENSE® STRIPER

LINEAR REAGENT DISPENSING FOR LFA

The IVEK Digispense® Striper is a semi-automatic positioning/dispensing system intended for continuous non-contact fluid dispensing onto various substrates such as nitrocellulose for manufacturing lateral flow assays (LFA). The precisely controlled motions of the vacuum plate slide carriage and IVEK dispensers together provide for extremely precise and consistent reagent line impregnation. Touch screen operation allows for immediate precise control over all system functions and has virtually eliminated the need for mechanical adjustments. The flexibility of the Digispense® striper makes it an ideal research and development tool, as well as a full production machine. This system was created with the specific needs and requests of the diagnostic manufacturer to ensure a quality lateral flow test is the end result.



Linear Reagent Striper Controller
36.4cm W x 19.7cm H x 39.1cm D



Linear Reagent Striper
130.3cm L x 30.7cm W x 43cm H
(w/out linear actuators mounted)

PRECISION ENGINEERED FLUIDIC SOLUTIONS SINCE 1979

IVEK Corporation is committed to quality and customer support. Our product has always been relied upon for critical applications and our policy states customer satisfaction as the number one priority. As our customer you will experience exceptional performance and reliability for your most demanding applications. IVEK Corporation is ISO 9001 and ISO 13485 certified.



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