



## REAL TIME DISPENSE INSPECTION

Accurate and reliable dispensing is critical to any assay. Even with proper reagent preparation, dispensers can fail. Kalypsys is the first to offer a dedicated inspection system for microplate dispensing.



## Only System of Its Kind

Kalypsys is the first to offer a dedicated inspection system for microplate dispensing. HTS is an industrial scale process that warrants industrial grade equipment and techniques. This means continuous monitoring of critical processes. Accurate and reliable dispensing is critical to any assay. Even with proper reagent preparation dispensers can fail. Cell plating can be especially worrisome as cells can clump even when correctly stirred and filtered.

Real-time dispense inspection provides a number of benefits including reduced manpower (from unattended operation), less waste of disposables (problems are detected and fixed immediately instead of at the end of an assay) and increased equipment efficiency (equipment can be run reliably overnight).

## Configuration

Can be configured with Kalypsys or most off-the-shelf dispensers

Works with stand-alone dispensers or fully automated systems

## Speed and Accuracy

1536-well plate inspected in less than 4 seconds

Greater than 99% accuracy for empty wells or partially clogged tips

## Easy-to-use

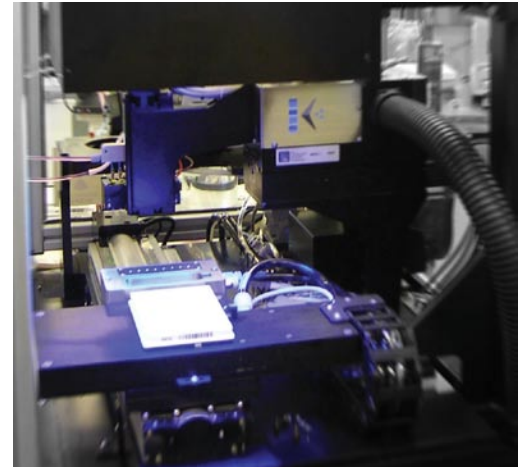
Plate setup in less than 1 minute  
Automatic alignment

Preconfigured for black & white plates with either solid or clear bottoms

## Cost Savings

Dispense problems are identified in real-time, eliminating costly defective work-in-process plates

Operators are notified immediately when clogs or other dispense problems occur



## Highlighted capabilities

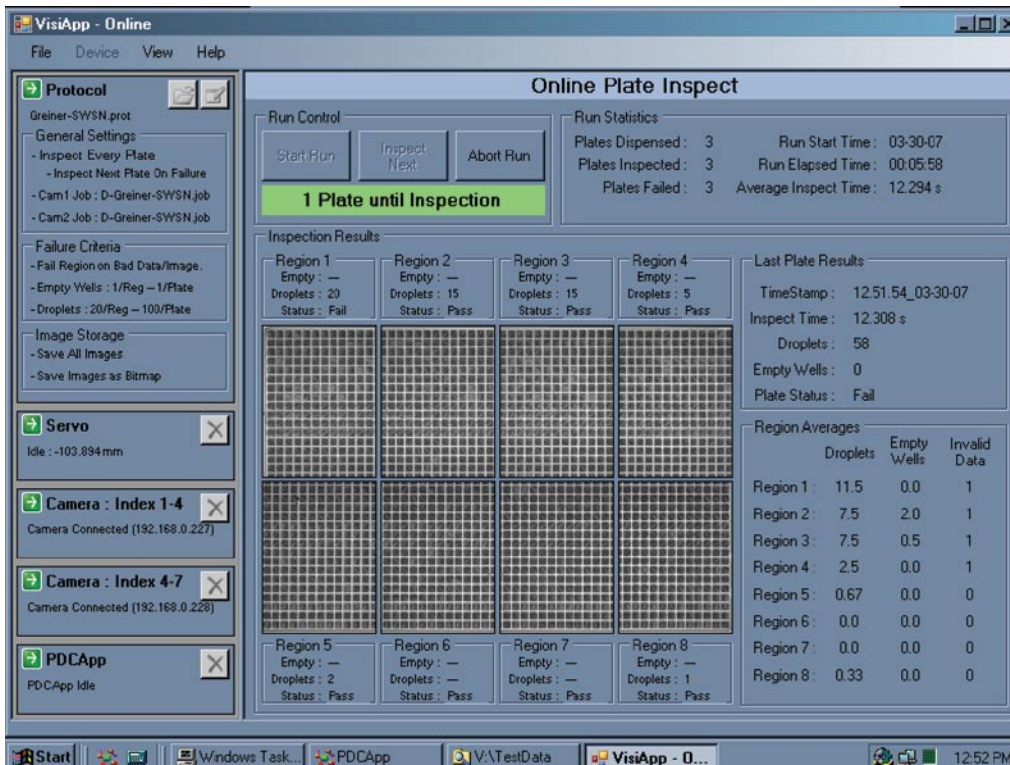
Real-time dispense monitoring for closed-loop dispensing

Remote access and control

Images are cataloged by bar code number

High resolution optics for satellite droplet detection

Fast results



Kalypsys dispense inspection system provides the reassurance that comes only from 100% real-time process monitoring. Now, every well of every plate is inspected as it is dispensed. No more surprises at the end of an assay, no more baby sitting of problem dispense steps. The system is ideal for both HTS applications and for equipment validation. The dispense inspection system works with Kalypsys and other 3rd party dispensers.

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