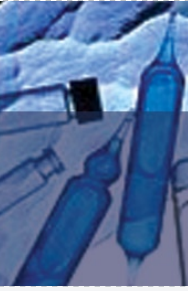


VIAL, AMPOULE, SYRINGE INSPECTOR



Multiple Application Capabilities

Syringe Inspection in Blisters

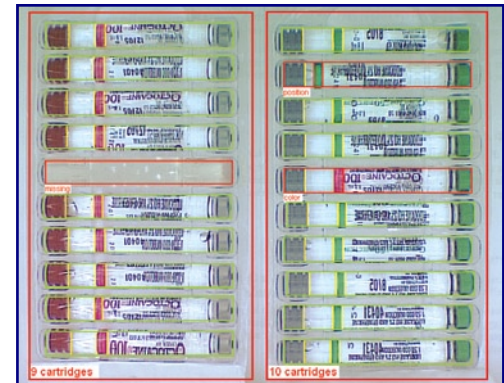
(Prefilled, Dual-Chamber & Single-Chamber)

- tip/cap presence/placement
- plunger & rod presence/placement/color
- finger grip presence/placement
- needles & needle shields presence/placement
- label presence/placement
- print inspection (OCV/OCR/PQV on Tamper & Ink Jet printing)
- serialized DataMatrix reading (includes data management)
- bar code reading & grading
- fill levels



Blister Verification

- serialized DataMatrix reading (includes data management)
- syringe presence/placement in blister
- component presence/placement/count
- simultaneous, component color verifications (light & dark variations)
- foreign object detection
- print inspection (OCV/OCR/PQV on Tamper & Ink Jet printing)
- bar code reading & grading (includes Bollino)
- sealing
- labeling
- final packaging



Vial Verification

- vial presence/count in carton box
- cap presence/color

Ampoule Verification

- ampoule presence/alignment/count in PVC
- ampoule presence/alignment/count in carton box

VIAL, AMPOULE, SYRINGE INSPECTOR



System Features

Inspection Capabilities:	up to 800 strokes per minute
Resolution:	area scan 1400 X 1040 up to fat scan (ultra-high resolution camera) field of view 7 3/8 in X 10 in or 17.78 cm X 25.4 cm
Product Management:	recipes (up to 100 stored), configurations, error images
Software Tools:	preconfigured at delivery 21 CFR Part 11 compliance serialized code inspection with data management color verification via CIELab complete product and reject tracking
Data Management:	transfer, reporting, storage etc.
CPU/Operating System:	Intel® Pentium processor with Windows XP
Power Supply:	100 – 240 VAC, 50 – 60 Hz
Inputs/Outputs:	16 / 64 expandable



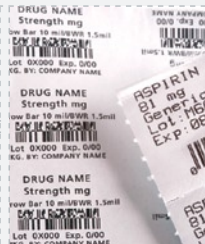
Advantages of Using Optel Vision Systems

100% of products inspected	Complete product and reject tracking (zones)
Low-false reject rates	Real-time results
Secure fail-safe system design	Scalable inspection capabilities
Customized system installation	Local support and service

For close to 20 years, Optel Vision has been providing solutions for:



Optel Vision
Code Inspector



Optel Vision
Lidding
Inspector



Optel Vision
Blister
Inspector



Optel Vision
Label Placement
Inspector



Optel Vision
Tablet Print
Inspector



Optel Vision
Package Integrity
Inspector

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