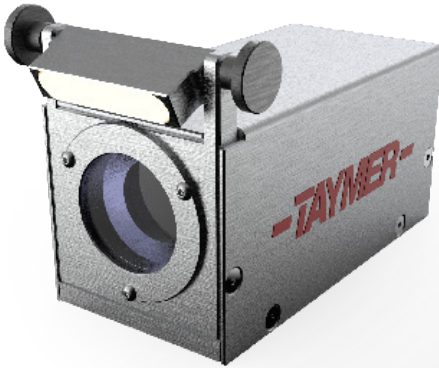


Pharmaceutical Packaging

Lot, Expiry, and Serial Number Verification System



The PV150-PH is Taymer's Print Verification solution for the Pharma packaging industry. This system can automatically verify the legibility of lot, expiry and serial number data printed on containers and boxes and verify them for correctness. Reduce costs by avoiding rework or recalls and improve productivity with our PV150-PH.

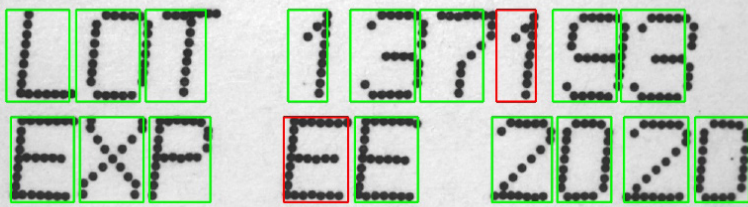
The print verification system uses high speed, digital imaging to capture real time images of your packaged goods. The digital images are enhanced, magnified and displayed on the control console to show current system status. The images are used for automated inspection and verification.

Taymer's PV150-PH optically verifies each character of your lot, expiry and serial number. It compares each letter in the current label image to the image taught to the system by the operator at the beginning of the run. The template can easily be set by the push of a button on the touchscreen console. When any small changes in legend and print quality are detected, the PV150-PH will send a signal to external alarms or other equipment on the line. The operator console and stand are modular and can fit in various line structures. The system can also be integrated to other in line equipment allowing the operator to easily supervise multiple processes.

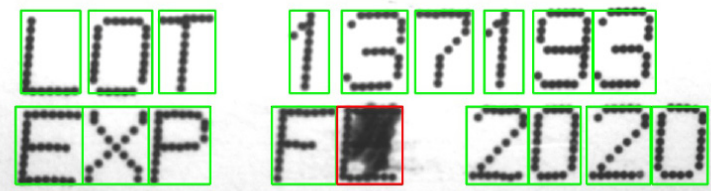
The PV150-PH includes options such as stainless steel production for GMP Pharma requirements, I.P. sealing for easy maintenance and modular lighting for a variety of packaging colors.

FEATURES

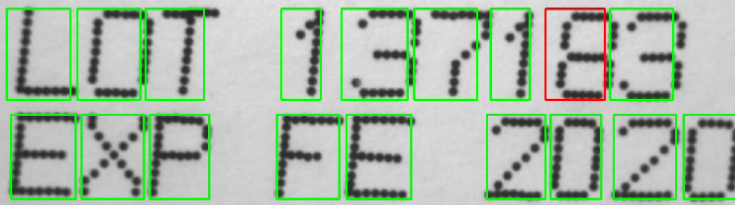
- > Character segmentation, recognition and verification technology
- > Verifies print quality of any printer type - Inkjet, Hot Stamp, etc
- > Verification of bottle and bundle serial numbers
- > Quality Assurance reporting and documentation
- > Reports for end of batch summary
- > Create and save unlimited recipes
- > ESAFE certified
- > Print Quality Inspector sends alarm signal to alert the operator
- > Real-time display of errors
- > Classification of errors by type for ease of correction
- > Non-Contact Verification
- > 100% line inspection
- > Simple, touch screen operator interface
- > Small Footprint, LCD, Flat Panel Display
- > Works with any line speeds



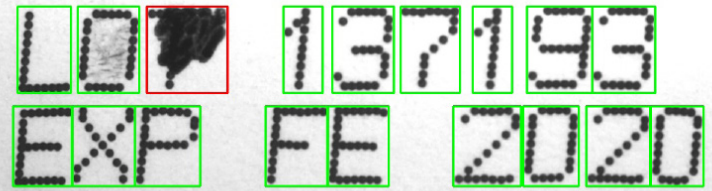
Wrong Lot & Expiry Numbers



Expiry Defect - Ink



"8" instead of "9"



Lot Defect - Ink

SPECIFICATIONS

> Characters:

0.75mm - 12mm | 0.030" - 0.500"
NDC/DIN, Expiry Date, S/N, Labels, etc

> Integration:

Package Tracking
Package Rejection
Package Rejection Confirmation
Flexible multisensor trigger and confirmation options
Line Stop
PLC integration not required

> Defects:

Serialization
Print Verification
Print Quality Inspection
Label Presence
Label Orientation
Ingress Protection (IP) Sealing
Color Verification

Defect classification (i.e. Lot Defect, Missing Print, Expiry Defect) in reporting

> Line Speed:

Easily programmable using standard HMI

> Machine Modularity:

Alternative lighting solutions
Optional additional cameras
Flexible mounting options
Configurable alarms

> Certification:

ESAFE

> Calibration:

Easily programmable using HMI

> Weight:

91 kg | 200 lbs

> Capture Station Dimensions:

72 mm X 75 mm X 150 mm - L X W X H
2.83" X 2.95" X 5.90" - L X W X H

> Stand Mount: Height and depth adjustable

> Power:

115 VAC 50/60 Hz
220 VAC 50/60 Hz

-TAYMER-

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