LVS® 7500 Vision System
Concentrated Technology for Thermal Printers

With the NEW LVS® 7500 you don't have any excuse to make a mistake!

The LVS® 7500 is the latest in Vision technology offered by Label Vision Systems. This compact, high resolution camera system mounts to the face of any thermal printer and allows the user to accurately ISO grade any 1D & 2D barcode, perform Optical Character Verification on variable text data and pattern match for blemish or print defects.

The LVS® 7500 is the very best in print quality technology - Big camera power in a little box; designed specifically for thermal and thermal transfer printers.

ISO Verification:

The LVS® 7500 ISO Verification module verifies any combination of linear, matrix and stacked codes (including PDF-417, Micro PDF, Data Matrix ECC-200, RSS, Composite Codes, QR Code and others) to ISO Print Quality Standards. The barcodes can be in any orientation, with any number and mix of codes on a label, and as many labels across the web or form as required.

Unlike barcode validation, the ISO Verification module actually reads and analyzes the 1-D or 2-D symbol to published international specifications (i.e. ISO 15415, ISO 15416, and symbology specifications), and then gives that symbol an overall ISO (ANSI) grade based on those specifications.

Optical Character Verification (OCV):

The LVS® 7500 OCV module can verify human readable characters at point sizes as low as two printer points (a printer point is defined as 0.014" (0.36mm)). The LVS® 7500 series OCV module ensures that a string of sequential Alpha-numeric characters is read and/or verified against a known field or database.
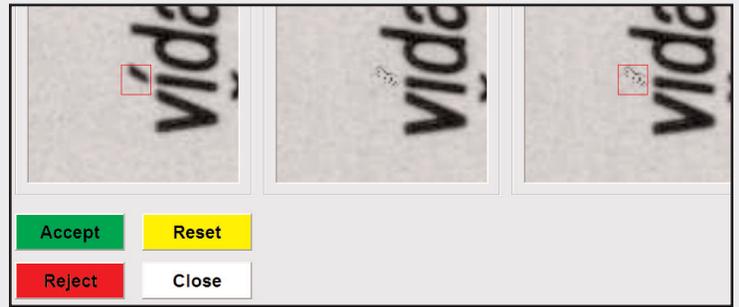
The system can verify variable (ascending, descending or from a file) and fixed data. Since the system "knows" what the character in a given position should be, a quality threshold can be set and a failure reported if the chosen threshold is not achieved.

Supported Symbologies:

- Code 39
- I 2 of 5 (ITF)
- UCC/EAN 128
- Code 128
- Codabar
- GS1 Databar
- GS1 Databar Limited
- GS1 Databar Linear
- GS1 Databar Stacked
- Composite
  (CCA/CCB/CCC)

- UPC-A & E
- EAN-8 & 13
- ITF-14
- Pharmacode
- Data Matrix
- PDF-417
- Micro PDF-417
- QR Code
- Mirco QR Code
- E-Pedigree Capable
- OCR Validation

Ideal For:

- **Sequential runs (ascending/descending)**

- **LOT / Expiry data**

- **Random Serialization**

- **Eye-readable / barcode matching**

User screen for Blemish Fault Review

Blemish (Defect) Detection Module:

The LVS® 7500 Blemish Detection module (also known as Defect detection) is capable of detecting a multitude of print faults from: skew, smear, print registration, die-cut errors, edge determination, and missing information. LVS® has designed special algorithms to obtain high speeds and accuracy. These algorithms also include our special "variable data" function which accounts for variable data within a pattern-matching zone and does not report them as blemishes.

Standard Benefits:

As with all the individual sector analysis capabilities of the LVS® 7500, each module utilizes a user definable sensitivity bar. The sensitivity level can be set HIGH to detect slight variances. If a less sensitive setting is desired the operator can set the level lower to allow a moderate level of variance. Each sector allows variable control of the sensitivity and is set by the user as part of the set-up process.

As an option a typical LVS® 7500 system is quoted with an "alert response to faults discovered" in the form of a light tower and high/low output as required by your technical requirements to stop print, visual alert, audible alert, digital I/O output or relay to perform the desired action.

Ease of Use: Once set-up of a job is initially completed it only needs to be called up from a stored file for future runs of that format.

Security: Password protection secures the system from unauthorized changes. 21-CFR Part 11 Compliant Ready.

Reporting: All inspected sections and the results are date and time stamped and archived for use by the customer for analysis. All inspected data is stored in a CSV file for end user extraction in any format desired.

Other Key Benefits:

- Unlimited number of barcodes in the field of view
- Duplicate checking
- Field matching
- Barcode to human readable comparison and match
- Database Validation for Random Serialization

Minimum PC Requirements:

Intel Core 2 Duo 1.83GHz
1GB RAM
80GB Hard Drive
1280 x 1024 screen resolution
USB 2.0

Warranty:

Label Vision Systems, Inc. is pleased to offer a one year Return to Base warranty on any defects due to workmenship or materials for LVS products.

Label Vision Systems will provide telephone support (5) five days a week 9 a.m. to 4 p.m. EST.

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