



LVS-7500

Ensure Accuracy and Data Integrity on Each Label

- Identify Defects
- Eliminate Fines & Disputes
- Reduce Rework
- Control Waste
- Avoid Liability
- Data Management

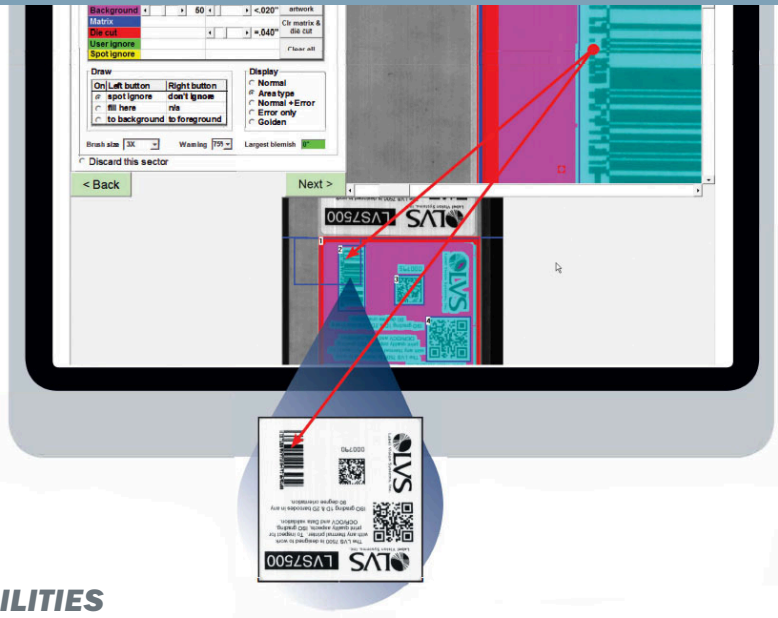
IDEAL APPLICATIONS:

- Pharmaceuticals
- Medical Devices
- Clinical Trials
- Contract Packaging
- Manufacturing
- Label Converting

MICROSCAN.

LVS-7500

True 100% INSPECTION with the LVS-7500 System



The LVS-7500 confirms the accuracy of the printed label image to user defined levels ensuring quality standards are met and providing peace of mind throughout the supply chain.

LVS-7500 CAPABILITIES

Bar Code Validation (Reading of 1D and 2D Codes)

Bar Code Validation inspects codes to determine if they are "readable." No attempt is made to grade according to any standard.

Bar Code Verification (Grading of 1D and 2D Codes)

Bar Code Verification inspects any combination of 1D and 2D codes and grades them using internationally accepted standards. The software displays a real-time graph indicating the overall ISO grade allowing the operator to view trends in print quality for hundreds of previously inspected labels. As errors are detected, the graph changes color. Other error warning indicators are available including printer stop, light stack, alarm, etc.

System Features

Bar Code Validation (Reading of 1D and 2D Codes)

Bar Code Validation inspects codes to determine if they are "readable":

Auto Setup

Software automatically identifies label fields allowing for rapid set-up and change-over

Job Retrieval

Quickly access previous jobs to run again, or apply or modify formats for new jobs

Alarm Matrix

Multiple output options for error notification including stop relay, light stack, on-screen warning, etc. set to user-defined thresholds

Master to Label Comparison (Blemish Detection)

Master to Label Comparison identifies print faults, such as skews, smears, registration errors, die-cut errors and missing information. This module includes a variable data feature that recognizes expected variables within a pattern-matching zone but does not report the data as a blemish. Also includes a variable sensitivity setting for each label field inspected.

(See illustration above.)

Optical Character Recognition (OCR)

The OCR function "reads" characters and reports the data content.

Security

- Multiple past were security levels
- 21-CFR Part 11 Compliant Ready
- Audit trail for system interaction

Optical Character Verification (OCV)

The OCV function ensures that a string of sequential characters are read and/or verified against a known field or database.

Number Validation

Number Validation verifies the expected order of any numerical series, detects duplicates and sequence errors, and matches variable numbers with external data files.

Data and Code Matching

Matching verifies encoded data that represents human readable information and ensures synchronicity of multiple fields within a label.

Data Management

- Job data archive and stored in CSV file format for ease of export
- All records are date, time stamped and automatically archived
- Remotely review errors and record acceptance or rejection action
- Run summary report for quality control and customer assurance

LVS[®]-7500 VISION TECHNOLOGY FOR THERMAL PRINTERS

ISO Verification

Challenge/Test	Details
Verify	Any combination of linear, matrix or stacked codes to ISO Print Quality Standards including: <ul style="list-style-type: none"> • ISO/IEC 15416 - Linear Verifier Conformance • ISO/IEC 15415 - Two-Dimensional (2D) Verifier Conformance
Orientation & Number	Any orientation and number of codes on a label
Read and Analyze	1D and 2D to published International specifications, with an overall ISO (ANSI) grade
Minimum 1D NBW	Read only: 6.3 Mils (.0063") (.160 mm) Verification: 8.8 Mils (.0088") (.223 mm)
Minimum 2D Cell Size	Read only: 10.0 Mils (.0100") (.254 mm) Verification: 12.5 Mils (.0125") (.317 mm)
Reporting	Detailed data to be reported is in .csv format for extraction by the end user. Immediate reporting is available for viewing via the monitor and Light Tower if used.

Standard Configuration Includes

- LVS-7500 Installation CD (includes LVS-7500 software and "LVS-7500 Operations Manual")
- "LVS-7500 Installation and Quick Start Guide"
- LVS-7500 Readhead (5.4"/137 mm) or (8.5"/216 mm)
- Calibration Card (NIST Traceable)
- Base Plate
- Mounting Bracket with attached Internal Rewind Bar
- Docking Plate
- USB Cable 2.0 Certified (6 feet) (1.8 m)
- Power Supply (5 Volts). Requires localized power cord for shipments outside North America
- AC Line Cord (for North American customers only)
- Stop Motion Interface Unit (customer may purchase optional Light Tower Interface Unit instead of Stop Motion Interface Unit)
- 5/32" Allen Key

Minimum PC Requirements (PC Supplied by Customer)

- Intel[®] Core™ 2 Quad Processor
- 4GB RAM

- 500 GB Hard Drive
- 1280 x 1024 Screen Resolution
- Windows[®] 7 Professional, Windows[®] 8.1 Professional, and Windows[®] XP Professional. Windows[®] Vista is not supported.
- Two available USB 2.0 ports (required for the Read Head and Stop Motion Unit/Light Tower Unit)

Characteristics

5.4" (137 mm) Read Head:

- Maximum readable label width: 5.4" (137 mm)
- Maximum width of web: 5.7" (145 mm)

8.5" (216 mm) Read Head:

- Maximum readable label width: 8.5" (216 mm)
- Maximum width of web: 9" (229 mm)

Options

- 5.4" (137 mm) or 8.5" (216 mm) Read Head
- Light Tower Interface Unit. Replaces Stop Motion Unit. Provides color-coded warning lights to operator
- HMI (Multi LVS-7500 system interface and display)
- Table top label rewinder

(winds up labels into a roll as they come out of a printer)

Two available options:

- 1" to 4" (25.4 mm to 101.6 mm) Adjustable Core Holder
- 8.6" (220 mm) wide "Quick-Chuck" and two label Flanges

International Standards

- ISO/IEC 15415
- ISO/IEC 15426-1
- All supported ISO/IEC symbology specifications
- ISO/IEC 15416
- ISO/IEC 15426-2

Supported Symbologies

Aztec
Coda bar
Code 128
Code 39
Code 93
Data Matrix
Data Bar expanded
EAN-13
EAN-13 (2-digit supplemental) EAN-13 (5-digit supplemental)
EAN-8

ECC-200 Data Matrix
GS1-128
GS1 Databar Limited
GS1 Databar Stacked
GS1 Databar-14
GS1 Data Matrix Interleaved
2 of 5 (ITF) Laetus
Pharmacode
Micro QR Code MicroPDF417
PDF417
QR Code
UPC-A
UPC-A (2 digit supplemental)
UPC-A (5 digit supplemental)
UPC-E
UPC-E (2 digit supplemental)
UPC-E (5 digit supplemental)
All applicable GS1 composite components

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