

# Online Verification



## PRODUCT SUMMARY

The Axicon Online Verification System comprises state-of-the-art CCD imaging technology, paired with Application software to allow **full** ISO grade verification on-line; ensuring your barcodes meet the print quality demanded by your trading partners.

Identifying common problems such as:

- Damaged or Dirty printheads
- Media Movement
- Ribbon Creasing
- Light Margin Infringements
- Data Content & Format Errors

High speed USB2 connection allows for a real time evaluation of barcode quality, detecting any non-conformant labels instantaneously. Specifically designed for the thermal transfer market, the software produces an instant on-screen, scan-by-scan display of the quality of each and every barcode in the print run - alerting the operator if there is any deterioration in quality.

This allows action to be taken to increase print quality before it falls below the required standard, increasing efficiency as well as reducing downtime & waste.

A range of reporting tools come as standard. These include: The ability to save the Axicon scan file of each and every barcode scanned, or just those that fail; a spread sheet of the results of each symbol; a summary of every print-run. Easy to use tools that provide full auditable traceability - an integral part of any ISO9000 Quality Management system.

The software can be used with any of Axicon's High Speed (hs) verifiers and conforms to the latest ISO/ANSI print quality standards (ANSI 3.182, ISO/IEC15416-1). Axicon verifiers have been independently tested and conform to ISO/IEC15426-1.

## FEATURES/BENEFITS

- ISO/ANSI Verification Standards
- For Use Both On & Off Line
- Multiple Scans per Symbol
- Sequential/Duplicate Label Validation
- User Friendly Interface & Error Messaging
- Multiple Symbols per Label
- Scan File & Spreadsheet Reporting Tools
- Symbology Auto-Discrimination
- Data Content & Format Checking

# ONLINE SOFTWARE SPECIFICATIONS

(For full off-line verifier software specifications, please see individual hardware specifications eg Axicon 6500 series)

<b>Symbologies Verified:</b>	EAN.UCC SYMBOLOGIES: EAN-8, EAN-13 (with or without add-ons), ITF-14/Case Code, RSS (all symbologies), UCC/EAN-128, UPC-A, UPC-E (with or without add-ons). OTHER SYMBOLOGIES: Code 39, Code 93, Code128, Codabar, ITF, MSI Plessey.
<b>Application Standards:</b>	AIAG, Belgian Pharmacode (MSI), Belgian Pharmacode (Unique), CIP 39, Coupon Codes (UK, USA, Euro), Code Vignette, HIBC, ISBN/ISSN, Italian Pharmacode (IMH), LPPR, M&S, SISAC, Variable Measure Codes (Branded, Instore, Australian).
<b>Analysis Performed on Relevant Symbologies:</b>	Full ISO/ANSI Parameter Analysis (Rmin, Rmax, Global Threshold, Symbol Contrast, Min Edge Contrast, Modulation, Defects, Decodability, Decode), Decodability per Symbol Character (to ISO standards), Average Bar Gain, Check Digit Validation, Control Characters and Structure Checking, Data Length, Nominal Bar Width Analysis (X Dimension), Print Contrast Measurement (PCS), Symbol Structure including Parity, Subsets & Start/Stop Characters, Light Margin Validation, Wide to Narrow Ratio Display and Validation.
<b>On Screen Analysis:</b>	Scan Number, Label Count, Barcode Number, Symbology, Scans per symbol, ISO/ANSI Grade, Average Bar Gain & Tolerance, Plugin Results, Error Message, File Name.
<b>Sequential Checking:</b>	Incremental, Decremental, Number Masking, Duplicate Number Checking.
<b>Diagnostic Windows:</b>	Details Results Window, Dimensional Analysis, Pass/Fail Window, Scan Reflectance Profile, Static Scan (via main verifier program) Reflectance, Summary Window, Traditional Results Window.
<b>Options:</b>	Application Identifier Data Content Checker (for UCC/EAN-128, RSS), Product-Look-Up Table.
<b>Logging:</b>	<b>Scan File Saving:</b> stores complete details of scan file data. Allows for remote diagnostics and also for increased traceability. <b>CSV File Saving:</b> Records full details. <b>Calibration Logging:</b> A record of date and time to show when the hardware has been calibrated is kept - vital for ISO 9000 records.
<b>Configurable Options:</b>	Audible Warnings, Calibration Expiry Period, Changeable Pass / Fail and Warning Colours, Check Digit Validation (Code 39, Codabar, ITF), File Saving, Multi-Scan Averaging, Pass Grade, Print Options, Window Sizes and Positions.
<b>Error Messages:</b>	Check Digit Error, Incorrect Wide to Narrow Ratio, Plugin Error, Print Quality Failure, Light Margin Error, Reference Decode Algorithm Error, Structure Error, Unsuitable X Dimension.
<b>Plugins available:</b>	<b>Free:</b> Code 39 full ASCII, Gen Spec, Job Reference, ext Lookup, Time Zone, UPC, User Data, User Name, (see also Application Standards). <b>Chargeable:</b> AI Checker, CSV File Saving, Product Lookup.
<b>Additional Software:</b>	Pharmacode (Laetus) – Decode and Analysis of Laetus Pharmacode (off-line only). ScanDB – Reporting Tool transferring data from saved scans into a .csv file.

Latest software updates can always be downloaded free from [www.axicon.com](http://www.axicon.com)

## HARDWARE SPECIFICATIONS:

For full verifier specifications on dimension, weight, construction power draw, and measuring apertures, please see hardware specifications e.g. Axicon 6500 series.

<b>Interface:</b>	USB2
<b>Printer Interaction:</b>	Capable of pausing certain Zebra, Sato and TEC printer models with optional pause interface.
<b>Mounting:</b>	Variety of mounting options available.
<b>Scan Rate:</b>	150 scans/second
<b>Analysis Rate:</b>	100 per second or more dependant on PC
<b>Scan Width:</b>	125mm, 195mm, inclusive of light margin (dependant upon read head).
<b>Wavelength of light:</b>	660 nanometers

## GENERAL INFORMATION:

### Print of Analysis:

A printed report can be produced on any connected printer. Printouts can be produced for the main verification information, Individual Job Summary and CSV file.

### Standard Accessories:

Transit Case, USB Cable, Calibration Sheet, Start-up Guide, Software CD, Compliance Certificates.

### System Requirements:

PC with USB2 interface, running Windows 2000 or XP.



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Due to Axicon's continuing product improvement programs, specifications and features herein are subject to change without notice.

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