ONLINE DATA VALIDATION (ODV)

WE WATCH YOUR BAR CODES SO YOU DON'T HAVE TO

Bar coded labels are the intelligence in today's fast-moving supply chains. Attached to every product, they propel goods and information from the manufacturing facility to the retailer's shelf. In every industry, from automotive to retail to pharmaceutical, bar code labels are the key to efficiency. A bad bar code reduces efficiency and can result in non-compliance fines, lagging production lines, rejected or delayed shipments.

That's why Printronix has developed the ultimate thermal bar code solution: Online Data Validation (ODV) with ODV Data Manager, a closed-loop un-manned quality control system.

ONLINE DATA VALIDATION

Online Data Validation (ODV) analyzes every bar code printed with the Printronix SL/T5000r thermal printer to assure that it meets the most stringent scanning standards. More importantly, it analyzes each bar code immediately after the label is printed with minimal affect on throughput. This 100 percent inspection of linear bar codes validates that the bar code image falls well within the bar code symbology specifications. ODV stops bad bar codes from getting into the production or distribution system, which could lead to a shut down of operations. ODV enables improved supply chain operations by eliminating the need for costly human intervention in the validation process.

100% Scannable. 100% of the Time.

ODV DATA MANAGER®

Your Company's Best Insurance Against the High Costs Associated with Bar Code Scanning and Data Accuracy Failures

Since bar codes have an important impact on supply chain efficiency, Printronix has developed a closed-loop quality control system that monitors the bar coding process. ODV Data Manager is the Printronix solution for fully automated bar code quality control. Now you can:

- Capture and display all bar code quality data, by label and by bar code, an invaluable tool for applying maintenance remedies.

- Capture and display detailed validation information to get to the heart of any problem instantly and minimize downtime.

- Capture and display the data within each bar code to provide further assurance that critical data, such as serialized bar codes, actually prints correctly.

- Allow for all data to be viewed online stored in a file, or exported to a database in real time to provide a true ISO9000 or QC archive.

- Save "snap shots" of the data in CSV or XML format to quickly isolate problem labels.

- Use Printronix ODV Data Manager with multiple concurrent ODV connections to assure maximum QC in high-volume environments.

- Place printers into fault conditions for either bar code quality or data failures, to ensure that bad data will never enter your system.

ONLINE DATA VALIDATION (ODV)

HOW ODV TESTS THE BAR CODES

ODV takes the following steps to test each bar code image:

- ODV anticipates types of bar code symbology to be printed.

- The printer prints the bar code. The bar code image is scanned and tested against the bar code symbology specifications.

- If all the bar codes meet specifications, the label is ready for use. If the label does not meet specifications, ODV uses its datastream analysis to overstrike the "bad" label and print a "good" replacement label.

- The ODV is an integrated solution designed to perform all bar code verification functions automatically with minimal interruption for high efficiency in the supply chain.

In summary, Printronix' Online Data Validation is a tool that can save you time, money and improve productivity. It evaluates every bar code label to provide total scanning assurance, and eliminates the need for costly human intervention in the bar code validation process. Combined with Printronix PrintNet® Enterprise connectivity, the latest advancement in networked printer management, ODV Data Manager "closes the loop" on bar code quality control and provides unprecedented visibility of mission-critical bar coding tasks.

REPRINTED GOOD LABEL ▶

CANCELLED BAD LABEL ▶

PRECEDING GOOD LABEL ▶

BAR CODES SUPPORTED

Code 39	Code 128
CODABAR	UPC/EAN plus add-ons
Interleafed 2 of 5	PDF417(Limited)*
Code 93	* Checks linear start and stop bar only

LABEL REQUIREMENTS

Quiet Zone	Minimum: 10 times x-dimension
Bar codes per line	Up to 4 codes on the same horizontal line
Bar codes per form	Up to 99 codes per form
Bar code orientation	Picket fence only
Horizonal Spacing	Minimum of .5" between codes on the same horizontal line
Bar code Height	Minimum bar code height is .13"
TOF to TOF Minimum Distance	.5"

LINEAR BAR CODE SPECIFICATIONS

	STANDARD ODV OPTION			WIDE ODV**
Scan Width*	4" (200 mm)	6.5" (165 mm)	8.5" (216 mm)	8.5" (216 mm)
X-Dimension (min.)	6.6 mil (0.17 mm)	10 mil (.25 mm)	20 mil (.51 mm)	13 mil (.33 mm)
Min. Code Height	0.13" (3.3 mm)	0.14" (3.6 mm)	0.20" (5.1 mm)	0.20" (5.1 mm)

* Scan width centered around middle of print width.
** Wide ODV available as a special field option only.

PRINT RUN REPORT

Number of forms printed	Number of codes printed
Number of bad forms	Average bar width deviation
Bar width deviation of last bar code	

VALIDATION ERROR ACTIONS

Retry Form (default), Stop and Retry, Grade and Report, Rescan Form, Rescan and Retry, Rescan and Stop, Overstrike, Stop

VALIDATION ERROR NOTIFICATION MODES

Printer Display	Printer Status Light
Printer Audible Alarm	Remote Notification

TELEMETRY REPORTS

Telemetry Path	Network Port
Data Contents (Selectable)	
Short	Pass/Fail quality results
Validation	Pass/Fail quality results + actual decoded data
Full	Validation + all measured parameters

AGENCY CERTIFICATIONS

cTUVus	EN60950-1:2006+A11:2009
CE	EN60825-1:2007
Class 2 Laser Product	

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