PRINTRONIX®

GLOBAL PRINTING...ENABLED.

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 coded 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 coding solution: Online Data Validation (ODV) with ODV Data Manager, it's closed-loop quality control system.

ONLINE DATA VALIDATION

Online Data Validation (ODV™) analyzes every bar code printed with the Printronix SL/T5000r ENERGY STAR 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 each bar code's symbology specifications, resulting in a scannable bar code in the supply chain. ODV stops bad bar codes from getting into the production or distribution system, which could lead to a shut down of operations. Moreover, ODV system efficiency increases by eliminating the need for costly human intervention in the validation process.

100% Scannable. 100% Of The Time.

ODV DATA MANAGER

Since bar codes have such an 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 actual 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 data base 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 will enter your system.

Printronix ODV Data Manager is your company's best insurance against the high costs associated with bar code scanning and data accuracy failures.

ONLINE DATA VALIDATION (ODV™)

HOW ODV TESTS THE BAR CODES

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

- ODV analyzes the incoming data stream and finds every bar code command on each label.

- The label is printed and each bar code image is scanned and tested to its bar code symbology specifications.

- ODV correlates every bar code test result with the incoming data stream's bar code commands.

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

- ODV action is automatic and takes place without any host program modification.

In summary, Printronix' Online Data Validation is a tool that can save you time, money and stalled 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 the network 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"

ODV SCAN MODE	SMALL WIDTH (4")	STANDARD (DEFAULT, 6")	WIDE WIDTH (8")
Scan Width*	4.5"	6.5"	8.5"
X-Dimension (min.)	6.6 mil	10 mil	13 mil
Min. Code Height	.13"	.14"	.20"

* This scan width can be positioned anywhere across the label.

PRINT RUN REPORT

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

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

14600 Myford Road, Irvine, CA 92606
800-665-6210 • www.printronix.com

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