

ODV-2D Barcode Inspection

Compliant Verification • Data Validation • Fully Integrated • Standalone Operation



**Stronger
Together**

Benefits of Our ODV-2D Printers



Eliminate expensive compliance fees by producing 100% accurate barcodes, 100% of the time.

The ODV-2D is the industry's first affordable, fully integrated solution with the ability to print, verify, and validate 1D and 2D barcodes. The ODV-2D installs on either the T8000 or T6000e printers. It is the first system that grades barcodes to ISO 15415, 15416 and 15426 standards and stores a detailed report of each transaction. Our exclusive technology reads each barcode, identifies a rejected barcode, and reprints a replacement label without operator intervention. The ODV-2D pays for itself by eliminating costly charge backs and fines for non-conforming labels. Advanced features allow it to integrate easily and quickly into existing applications.



Compliant Verification

- Verifies full suite of 1D and 2D barcodes with up to 50 barcodes per label
- Performs both data validation and compliance verification
- Grades to ISO standards including Quiet Zone and Check Sum errors
- Label back up and overstrike to identify bad barcodes
- Barcode "GPS" dynamically locates barcodes on a label by label basis to improve throughput



Productivity

- Prints and verifies at up to 8 ips ODV-2D can read 1D and 2D barcodes in any 90° orientation
- Print, verify, and encode RFID labels all in a single pass, exclusively on the T6000e series
- PrintNet Enterprise Auto ID provides global or enterprise wide network access, control, update and reporting
- Compatible with third party label software through the PXML data reporting schema
- Most extensive suite of printer emulations in the industry



Dependable Design

- Field kits available for both T6000e 4" and T8000 4" and 6" printers
- Easy installation and setup
- Calibration check from printer's control panel using provided plaque
- Works with a wide variety of label and ribbon types

The ODV-2D reads and grades every barcode on every label based on ISO standards. When ODV-2D rejects a barcode, it overstrikes the label and reprints it without operator intervention. At the end of the day you can generate a report directly from the printer with data on every label printed and graded.

Combining Verification with Validation

Print, Verify, and Encode RFID Labels All in A Single Pass

[illegible]

Full Overstrike Example

Manage Your Entire Enterprise from a Single Location

Printronix Auto ID Data Manager (part of the PrintNet Enterprise Suite) gives you the ability to dynamically record, archive and generate reports of scanned barcode data for every printer on your network. With the addition of our robust printer management tool, you can pull reports for your entire enterprise as well as monitor and configure printers from anywhere in the world. You can also designate events and be alerted to printer issues via email. PrintNet Enterprise is available at no charge.

Closed-Loop Application Design

A black Printronix printer is shown from a front-three-quarter view. A red label is being printed and is partially unrolled from the output slot. The label features a header with '0123' in large red digits, followed by '5678' in smaller black digits. Below this, there are several lines of text and two barcodes. The printer has a control panel on the left with a green power button and a blue button. The brand name 'PRINTRONIX' is visible on the top right of the front panel.

Software partners such as TEKLYNX already use this application connection to provide a close-loop label quality process.

ODV-2D Series | Data Sheet



Model	T8000 4" ODV-2D	T8000 6" ODV-2D	T6000e 4" ODV-2D
Print Speed - Max (ips)	8	8	8
Print Width - Max	4.1"	6.5"	4"
Print Resolution (dpi)	203/300	203/300	203/300/600
Back-up and Overstrike Distance	6"	6"	6"
Barcodes Per Label - Max	50	50	50
Maximum Label Length (in)	24	24	24
Media Handling	Tear/Peel/Cut	Tear/Peel/Cut	Tear/Peel
Dual Vision / RFID function	No	No	Yes
Printer Footprint (L / W / H)	22" x 11.7" x 13"	24" x 13.4" x 14.5"	22" x 10.9" x 12.3"
Read Technology	Camera	Camera	Camera
Grading Standard	ISO 15415, ISO 15416, ISO 15426	ISO 15415, ISO 15416, ISO 15426	ISO 15415, ISO 15416, ISO 15426
Scan Width	4.5"	6.5"	4.5"
Scan Resolution (mils)	2	3	2
Minimum X-Dimension 1D (mils)	10	15	10
Minimum X-Dimension 2D (mils)	10	15	10
Barcode Support - 1D	Code 39, Code 93, Code 128, UPC/EAN (and supplements), I 2/5	Code 39, Code 93, Code 128, UPC/EAN (and supplements), I 2/5	Code 39, Code 93, Code 128, UPC/EAN (and supplements), I 2/5
Barcode Support - 2D	Datamatrix (Square, Rectangle), PDF 417, QR	Datamatrix (Square, Rectangle), PDF 417, QR	Datamatrix (Square, Rectangle), PDF 417, QR
Barcode GPS (Auto Barcode Find)	Yes	Yes	Yes
Barcode Orientation	0°, 90°, 180°, 270°	0°, 90°, 180°, 270°	0°, 90°, 180°, 270°
OCR	Using Perceptor PTXL	Using Perceptor PTXL	Using Perceptor PTXL
OCR Point Size	5pt	5pt	6pt
OCR Fonts	Arial, Cambria, Consolas, OCR-B Others on demand basis	Arial, Cambria, Consolas, OCR-B Others on demand basis	Arial, Cambria, Consolas, OCR-B Others on demand basis
OCV / Blemish Detect / Pattern Match / Duplicate Check	Using Perceptor PTXL	Using Perceptor PTXL	Using Perceptor PTXL
Output Reports	Yes	Yes	Yes
PrintNet Enterprise Remote Management	Yes	Yes	Yes
Data Report Capture	Yes	Yes	Yes
PXML Grade Report Capture	Yes	Yes	Yes
RFID Option	N/A	N/A	UHF / RAIN (GS1 EPC Gen2 v2 / ISO 18000-63)
Cloud Database	Using Perceptor PTXL	Using Perceptor PTXL	Using Perceptor PTXL

For more information on ODV or label quality inspection, please contact your local Printronix Auto ID sales representative.



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Global Headquarters

9F, No. 95, Minquan Road, Xindian District
New Taipei City, Taiwan 231
Office: +886 2 2218 6789

EMEA

Georg-Wimmer-Ring 8b
85604 Zorneding, Germany
Office: +49 8106 37979 000

Americas

3040 Saturn Street, Suite 200
Brea, CA 92821 U.S.A.
Office: +1 657 258 0808