





# 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 plague
- Works with a wide variety of label and ribbon types

## Frustrated by Rejected Shipments and Non-Compliance Fees?

With a global increase in regulatory compliance standards and fines, it is more important than ever to ensure your products are labeled correctly with accurate barcodes. ODV-2D addresses these requirements with the ability to validate and verify up to 50 barcodes per label including 2D barcodes.

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**

The ODV-2D can verify and validate barcodes as they are printed. The data printed on the label is validated to match the data sent from the host (native commands only). The barcode image is verified to comply with the ISO standards.

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

The upgraded T6000e with ODV-2D allows users to print and encode RFID labels and inspect and grade the quality of printed barcodes in a single pass. Now, one printer can now do the work of multiple devices to create a new level of productivity and cost savings. No longer are two separate machines needed to perform two completely different functions. This is a unique function not available on any other printer currently on the market.

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**

Printronix Auto ID's integration of ODV into the printer not only enables the printer to backup and overstrike bad labels without operator intervention, but provides the application access to the data from the ODV, including grading reports as well as label images. Data from ODV can be passed back to the application in .csv or PXML format, enabling the label software to not only send labels to the printer, but can check each label to ensure that the correct data was printed and the label barcodes grades were acceptable. This data can be captured, merged with the print job information, and an image of the label can be captured as well and also archived with the ODV grading report for future reference.

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



## **ODV-2D Series** | Data Sheet







Print With- Hax         8         8           Print With- Hax         4.1°         6.5°         4°           Print Resolution (dpi)         203/3000         203/3000         203/3000           Barcedes Per Label - Hax         6°         6°         6°         6°           Barcedes Per Label - Hax         50         50         50           Maximum Label Length (in)         24         24         24           Media Handfling         18 or 18/Peel/DUA         18 or 18/Peel         18 or 18/Peel           Politar Footprint (1 / W / H)         22 x 1/17 x 13°         24 x 10 x 4x x 1.5°         22 x 1/10 x 12°           Read Technology         Camera         Camera         Camera           Printer Footprint (1 / W / H)         22 x 1/17 x 13°         24 x 10 x 4x x 1.5°         22 x 1/10 x 12°           Read Technology         Camera         Camera         Camera         Camera           Read Technology         10         5.5°         4.5°         4.5°           Scan Wildh         4.5°         6.5°         4.5°         4.5°           Scan Resolution (mils)         10         15         10           Barcede Support - 10         Code 33 Code 33, Code 182, UPCEAN (and x 12) unit (and supplimental) (12° ctt)         4.5°	Model	T8000 4" ODV-2D	T8000 6" ODV-2D	T6000e 4" ODV-2D
Print Resolution (dpi)         203/300         203/300         203/300/600           Back-up and Overstrike Distance         6"         6"         6"           Barcodes Per Label - Hax         50         50         50           Maximum Label Length (in)         24         24         24           Media Handling         Tean/Peal/Out         Tean/Peal         Tean/Peal           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         150 16-161, 150 16-161         150 16-161, 150 16-161, 150 16-161         30 16-161, 150 16-161           Scan Resolution (mils)         2         3.5"         4.5"           Scan Resolution (mils)         10         15         10           Hininum X. Dimension 10 (mils)         10         15         10           Barcode Support - 10         Code 33, Code 128, LUPU/EAN (and supplements), 1270         Code 33, Code 83, Code 83	Print Speed - Max (ips)	8	8	8
Back-up and Overstrike Distance         6°         6°         6°           Barcodes Per Label - Hax         50         50         50           Maximum Label Length (in)         24         24         24           Media Handling         Tear/Peel/Out         Tear/Peel         Tear/Peel           Dual Vision / RFID function         No         No         Yes           Printer Footprint (L / W H)         22° x 10.7° x 13°         24° x 13.4° x 14.8°         22° x 10.8° x 12.3°           Read Technology         Camora         Camora         Camora           Grading Standard         150 15415, ISD 15416, ISD 15428         ISD 15415, ISD 15416, ISD 15428         ISD 15415, ISD 15416, ISD 15428           Scan Width         4.5°         6.5°         4.5°           Scan Resolution (mils)         10         15         10           Minimum X- Dimension 10 (mils)         10         15         10           Barcode Support - 10         Code 39, Code 33, Code 224, LUPC/EAN (and supportments), 1275         Code 39, Code 33, Code 234, LUPC/EAN (and supportments), 1275         Deamatrix (Square, Rectanglo), PDF 417, QR         Deamatrix (Square, Rectanglo), PDF 417,	Print Width - Max	4.1"	6.5″	4"
Barcodes Per Label - Hax         50         50         50           Maximum Label Length (in)         24         24         24           Hedial Andring         Tear/Peol/Cut         Tear/Peol         Tear/Peol           Dual Vision/ RFID function         No         No         Yes           Printer Footprint (L / W / H)         22" x10" x12" x13"         24" x13.4" x14.5"         22" x10.9" x12.3"           Read Technology         Camera         Camera         Camera         Camera           Grading Standard         ISO 15415, ISO 15468, ISO 15428         ISO 15415, ISO 15468, ISO 15428         SIO 15415, ISO 15468, ISO 15428           Scan Width         4.5"         6.5"         4.5"           Scan Resolution (mils)         2         3         2           Hinimum X-Dimension 1D (mils)         10         15         10           Barcode Support - 1D         Code 30, Code 32, Code 33, Code 32, UPC/EAN (and supplements) 12/5         Code 39, Code 33, Code 32,	Print Resolution (dpi)	203/300	203/300	203/300/600
Maximum Label Length (in)         24         24         24           Hedia Handling         Tear/Peel/Dut         Tear/Peel         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         Camera           Grading Standard         150 15418, ISO 15418, ISO 15426         ISO 15418, ISO 15428         ISO 15418, ISO 15428           Scan Width         4.5"         6.5"         4.5"           Scan Resolution (mils)         2         3         2           Hinimum X-Dimension 2D (mils)         10         15         10           Barcode Support - 1D         Code 38, Code 93, Code 93, Code 128, UPC/EAN (and supplements) 12/5         Code 38, Code 93, Code 128, UPC/EAN (and supplements) 12/5         Code 38, Code 93, Code 128, UPC/EAN (and supplements) 12/5         Datamatrix (Square, Rectangle) PDF 417, OR         Datamatrix (Square, Rectangle	Back-up and Overstrike Distance	6"	6"	6"
Media Handling	Barcodes Per Label - Max	50	50	50
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 15416, ISO 15416, ISO 15426         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 ID (mils)         10         15         10           Barcode Support - ID         Code 39, Code 93, Code 183, UPC/FAN (and supplements), 1275         Code 39, Code 39, Code 183, UPC/FAN (and supplements), 1275         Code 39, Code 39, Code 180, UPC/FAN (and supplements), 1275         Datamatrix (Square, Rectangle), PDF 417, OR	Maximum Label Length (in)	24	24	24
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         180 15415, IS0 15416, IS0 15426         IS0 15415, IS0 15416, IS0 15426         IS0 15416, IS0 15416, IS0 15426         IS0 15416, IS0 15416, IS0 15426         IS0 15416, IS0 15416, IS0 15416, IS0 15426         IS0 15416, IS0 1541	Media Handling	Tear/Peel/Cut	Tear/Peel	Tear/Peel
Read Technology         Camera         Camera         Camera           Grading Standard         ISO IS415, ISO IS416, ISO 15426         ISO IS415, ISO IS416, ISO IS426         ISO IS415, ISO IS416, ISO IS426           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         Coded 38, Code 93, Code 128, UPC/EAN (and supplements), 12/5         Code 39, Code 93, Code	Dual Vision / RFID function	No	No	Yes
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 ID (mils)         10         15         10           Minimum X-Dimension 2D (mils)         10         15         10           Barcode Support - 1D         Code 39, Code 23, Code 128, UPC/EAN (and supplements), 1275         Code 39, Code 93, Cod	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"
Scan Width	Read Technology	Camera	Camera	Camera
Scan Resolution (mils)   2   3   2	Grading Standard	ISO 15415, ISO 15416, ISO 15426	ISO 15415, ISO 15416, ISO 15426	ISO 15415, ISO 15416, ISO 15426
Minimum X-Dimension ID (mils)         10         15         10           Minimum X-Dimension 2D (mils)         10         15         10           Barcode Support - ID         Code 39, Code 39, Code 28, UPC/EAN (and supplements), 12/5         Code 39, Code 39, Code 28, UPC/EAN (and supplements), 12/5         Code 39, Code 39, Code 28, UPC/EAN (and supplements), 12/5           Barcode Support - 2D         Datamatrix (Square, Rectangle), PDF 417, QR         Datamatrix (Square, Rectangle), PDF 417, QR </th <th>Scan Width</th> <th>4.5″</th> <th>6.5″</th> <th>4.5″</th>	Scan Width	4.5″	6.5″	4.5″
Minimum X-Dimension 2D (mils)         10         15         10           Barcode Support - ID         Code 39, Code 93, Code 128, UPC/EAN (and supplements), 12/5         Code 39, Code 39, Code 128, UPC/EAN (and supplements), 12/5         Code 39, Code 39, Code 128, UPC/EAN (and supplements), 12/5           Barcode Support - 2D         Datamatrix (Square, Rectangle), PDF 417, OR         Datamatrix (Square, Rectangle), PDF 417, OR         Datamatrix (Square, Rectangle), PDF 417, OR           Barcode GPS (Auto Barcode Find)         Yes         Yes         Yes           Barcode Orientation         0°, 90°, 180°, 270°         0°, 90°, 180°, 270°         0°, 90°, 180°, 270°         0°, 90°, 180°, 270°           OCR         Using Perceptor PTXL         Using Perceptor PTXL         Using Perceptor PTXL         Using Perceptor PTXL           OCR Point Size         5pt         5pt         6pt         6pt           OCR Fonts         Arial, Cambria, Consolas, OCR-B Others on demand basis         OCR-B Others on demand basis         OCR-B Others on demand basis           OCY / Blemish Detect / Pattern Match / Duplicate Check         Using Perceptor PTXL         Using Perceptor PTXL         Using Perceptor PTXL         Using Perceptor PTXL           Output Reports         Yes         Yes         Yes         Yes           PrintMet Enterprise Remote Hanagement         Yes         Yes         Yes	Scan Resolution (mils)	2	3	2
Barcode Support - 1D  Code 39, Code 93,	Minimum X-Dimension 1D (mils)	10	15	10
Barcode Support - 10  (and supplements), 1 2/5  (Sectional)  (Sectional)  (Or, 90°, 180°, 270°  (O°, 90°, 180°, 27	Minimum X-Dimension 2D (mils)	10	15	10
Barcode GPS (Auto Barcode Find)  Yes  Yes  Yes  Yes  Yes  Yes  Yes  Ye	Barcode Support - 1D			
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       OCR-B Others on demand basis       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)	Barcode Support - 2D	Datamatrix (Square, Rectangle), PDF 417, QR	Datamatrix (Square, Rectangle), PDF 417, QR	Datamatrix (Square, Rectangle), PDF 417, QR
OCR Point Size  5pt  5pt  5pt  6pt  OCR Fonts  Arial, Cambria, Consolas, OCR-B Others on demand basis  OCR-B Others on demand basis  OCY / Blemish Detect / Pattern Match / Duplicate Check  Using Perceptor PTXL	Barcode GPS (Auto Barcode Find)	Yes	Yes	Yes
OCR Point Size  5pt 5pt 6pt  OCR Fonts  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  Using Perceptor PTXL  Output Reports  Yes  Yes  Yes  Yes  Yes  PrintNet Enterprise Remote Management  Yes  Yes  Yes  Yes  Yes  Yes  Yes  Ye	Barcode Orientation	0°, 90°, 180°, 270°	0°, 90°, 180°, 270°	0°, 90°, 180°, 270°
OCR Fonts  OCR Fonts  OCR B Others on demand basis  OCR B Others on demand basis  OCV / Blemish Detect / Pattern Match / Duplicate Check  Using Perceptor PTXL  Output Reports  Yes  Yes  Yes  Yes  PrintNet Enterprise Remote Management  Yes  Yes  Yes  Yes  Yes  PXML Grade Report Capture  Yes  N/A  N/A  UHF / RAIN (GS1 EPC Gen2 v2 / ISO 18000-63)	OCR	Using Perceptor PTXL	Using Perceptor PTXL	Using Perceptor PTXL
OCR-B Others on demand basis OCR-B Other basis OCR	OCR Point Size	5pt	5pt	6pt
Duplicate Check     Oshing Perceptor FTXL       Output Reports     Yes       PrintNet Enterprise Remote Management     Yes       Data Report Capture     Yes       PXML Grade Report Capture     Yes       RFID Option     N/A    N/A  UHF / RAIN (GS1 EPC Gen2 v2 / ISO 18000-63)	OCR Fonts			
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)	OCV / Blemish Detect / Pattern Match / Duplicate Check	Using Perceptor PTXL	Using Perceptor PTXL	Using Perceptor PTXL
Remote Management         Tes         Tes           Data Report Capture         Yes         Yes           PXML Grade Report Capture         Yes         Yes           RFID Option         N/A         N/A           UHF / RAIN (GS1 EPC Gen2 v2 / ISO 18000-63)	Output Reports	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)		Yes	Yes	Yes
RFID Option         N/A         N/A         UHF / RAIN (GS1 EPC Gen2 v2 / ISO 18000-63)	Data Report Capture	Yes	Yes	Yes
	PXML Grade Report Capture	Yes	Yes	Yes
Cloud Database Using Perceptor PTXL Using Perceptor PTXL Using Perceptor PTXL Using Perceptor PTXL	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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