



# Auto ID Solutions

a division of Product Development Laboratory, Inc.

## ISO 15426-1 Accuracy Report

Report Date: 12/16/2004

Report Number: 1020382

### CUSTOMER AND INSTRUMENT INFORMATION:

Major Printing Corporation  
775 South James Boulevard  
Lewisburg, TN 37091

Model:  
Serial number:

Inspector D4000 – Auto Optic  
4424433957

### INSTRUMENT ACCURACY:

| TEST PARAMETER            | TEST STANDARD | INSTRUMENT TEST READING | ALLOWABLE DEVIATION | ACTUAL DEVIATION | RESULT              |
|---------------------------|---------------|-------------------------|---------------------|------------------|---------------------|
| Direct contact unit:      |               |                         |                     |                  |                     |
| UPC-A Master Symbol       |               |                         |                     |                  | In tolerance        |
| ISO/ANSI overall grade    | 4.0           | 4.0                     | ± 0.2               | +0.0             | In tolerance        |
| Decodability              | 85.6%         | 84%                     | ± 8%                | -2%              | In tolerance        |
| Modulation                | 84.6%         | 83%                     | ± 8%                | -2%              | In tolerance        |
| Symbol Contrast           | 80.2%         | 83%                     | ± 8%                | +3%              | In tolerance        |
| Defects Symbol            |               |                         |                     |                  |                     |
| ISO/ANSI overall grade    | 2.0           | 2.0                     | ± 0.2               | +0.0             | In tolerance        |
| Defects                   | 21.7%         | 23%                     | ± 8%                | +1%              | In tolerance        |
| Decodability (bar) Symbol |               |                         |                     |                  |                     |
| ISO/ANSI overall grade    | 2.0           | 2.0                     | ± 0.2               | +0.0             | In tolerance        |
| Decodability              | 46.6%         | 46%                     | ± 8%                | -1%              | In tolerance        |
| Contrast Symbol           |               |                         |                     |                  |                     |
| ISO/ANSI overall grade    | 2.0           | 2.0                     | ± 0.2               | +0.0             | In tolerance        |
| Symbol Contrast           | 49.7%         | 55%                     | ± 8%                | +5%              | In tolerance        |
| <b>Overall Results</b>    |               |                         |                     |                  | <b>In tolerance</b> |

The instrument(s) listed on this certification have been calibrated against standards traceable to the National Institute of Standards and Technology (NIST).

The calibration test accuracy ratio (TA) was maintained, unless otherwise noted, at the test accuracy of the calibration standard(s) used.

**Did your unit meet the ANSI/ISO standards?**

The "Test Standard" column shows the 'true' bar code values and the "Instrument Test Reading" column shows what your unit reported.

requirements of:  
Standard – Linear Symbolologies)  
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### CALIBRATION STANDARDS:

| NIST TRACEABLE NUMBER | INSTRUMENT ID NUMBER | DESCRIPTION  | CALIBRATION DATE: | CALIBRATION DUE: |
|-----------------------|----------------------|--|-------------------|------------------|
| NIST SRM-1930-90      | 10053                | Calibrated Conformance Standard Test Card for UPC/EAN Symbol Verifiers | 10/15/2004        | 04/15/2005       |
| NIST 821/253660-94    |                      |  |                   |                  |
| NIST SRM-1930-90      | 10051                | Reflectance Calibration Standard                                       | 10/15/2004        | 04/15/2005       |

Calibration Approved By:

Jeffrey Beaudoin  
Vice President, Operations

Traceable numbers assigned by NIST

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