Video Inspection

Product Line Overview

100% Inspection • Proofing Systems • Digital Web Viewers • Bar Code Verification and Grading

For the Converting, Packaging, Labeling, and Pharmaceutical industries

Guardian PQV
100% Inspection

Guardian OLP
Offline Proofing

Guardian Mini
Modular Inspection

Graphic-Vision®
Web Viewers

Code Tracker
Barcode decode/grade

Length Monitor

Registration Control

AAA Press International, Inc.
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### Guardian PQV 100% Print Quality Verification

**Capabilities**
- 100% Inspection from 0 to full speed
- Defect Roll Map & Workstation
- Defect Image Hold & Zoom
- PDF Proofing Module
- OCR and OCV
- Dimensional measurement and gauging
- 1D & 2D bar code ANSI/ISO grading
- 1D & 2D bar code decoding
- Variable data & sequential number verification
- FDA 21 CFR Part 11 Compliance
- Complete, secure audit trail

**Applications**
- **Printing Press or Inspection Rewinder**
  - High speed 100% inspection at any speed. Interfaces with the rewinder for quick, accurate roll auditing.
- **Converting Inspection**
  - Dimensional gauging and output alerts for out-of-spec conditions.
- **Pharma Printing Inspection**
  - Offers variable data verification, FDA 21 CFR Part 11 compliance and a secure audit trail.
- **Variable Data Printing Inspection**
  - OCR, OCV & barcode decoding/grading. Verifies human readable objects & finds sequence errors
- **Sheet Inspection**
  - High speed 100% inspection of sheet printed materials, including currency. Many lighting options available for the most demanding applications

### Guardian Mini Low Cost 100% Inspection Systems

The Guardian Mini is a customizable inspection system designed to fit any need and budget. The Mini lets you select the features you need from a comprehensive set of capabilities.
- For use on any press, slitter/rewinder, tabletop rewinder, thermal printer, label applicator
- Custom & turnkey solutions available for a wide range of applications
- Barcode inspection, variable data & sequential number check, dimensional gauging & more

**Capabilities**
- 100% Inspection from 0 to full speed
- Defect Roll Map & Workstation
- 1D & 2D bar code ANSI/ISO grading
- 1D & 2D bar code decoding
- Variable data verification
- Sequential number verification
- Dimensional measurement & gauging
- FDA 21 CFR Part 11 Compliance
- Secure audit trail
- Defect Image Hold & Zoom
- OCR and OCV

**Applications**
- **Bar Code Inspection**
  - High speed 100% barcode decoding and ANSI/ISO grading
- **Streamlined Auditing Process**
  - Defect roll map records all defects on a roll, and interfaces with rewinders to automatically place defective product for correction.
- **Variable Data Inspection**
  - Verifies human readable characters and checks for sequence errors
- **Converting Inspection**
  - Tracks distances between printing features and reports measurements in mm or thousandths of an inch
- **Tabletop Inspection**
  - Small footprint easily installs on nearly any tabletop rewinder to provide 100% inspection.
### Guardian OLP Off Line Proofing

Automatically finds & highlights differences in print quality between a customer-approved master and PDFs or scans from any step in the production process.
- Compare scans or PDFs of one-up or multi-up sheets
- Detect defects such as missing print, pre-press errors, plate defects & color variation
- Compare file to file, file to scan, and scan to scan

<table>
<thead>
<tr>
<th>Capabilities</th>
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<tbody>
<tr>
<td>100% defect detection software</td>
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<tr>
<td>PDF image report</td>
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<tr>
<td>Defect chart &amp; detect quick zoom</td>
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<tr>
<td>11.7” x 17” (297x420mm) flatbed scanner, standard</td>
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<tr>
<td>Large flatbed scanners available</td>
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<tr>
<td>Large-format feed-through scanners available</td>
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<tr>
<td>FDA 21 CFR Part 11 Compliance</td>
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<td>Secure audit trail</td>
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<tr>
<td>1D &amp; 2D bar code ANSI/ISO grading</td>
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<tr>
<td>1D &amp; 2D bar code decoding</td>
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<tr>
<td>Braille defect detection</td>
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<table>
<thead>
<tr>
<th>Applications</th>
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<tbody>
<tr>
<td><strong>Electronic PDF Proofreading</strong></td>
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<tr>
<td>Quickly compare single or multi-up production files and press samples to a customer approved original. Errors are logged in a secure PDF report.</td>
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<tr>
<td><strong>Bar Code Verification</strong></td>
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<tr>
<td>Can decode and grade most 1D and 2D bar codes. Training &amp; inspection is quick and intuitive. Results are logged in a secure PDF report.</td>
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<tr>
<td><strong>Braille Inspection</strong></td>
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<tr>
<td>Checks for missing, incomplete, or misplaced dots, as well as incorrect characters. Logs results in a secure PDF report.</td>
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<tr>
<td><strong>Incoming Inspection</strong></td>
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<tr>
<td>Verifies the conformance of incoming product &amp; provides a secure PDF report</td>
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### Graphic-Vision® Digital Web Viewers

The GRAPHIC-VISION® 500 Series Web Viewers are easy to use systems that are perfect for companies looking to add economical inspection.
- Helps operators find defects, including mis-registration, streaks, voids and fills
- Standard high-resolution camera and 19” LCD monitor.
- Systems are covered by a 2 year parts & labor warranty

### Graphic-Vision Products

**Model GV510: Manual**
Fixed traverse that can be manually adjusted.

**Model GV520: Motorized**
Motorized traverse with automatic lateral scanning and easy position control with remote.

**Model GV530: Advanced**
Motorized traverse with advanced positioning features. Includes programmed, multi, and combo positioning capabilities

<table>
<thead>
<tr>
<th>Capabilities</th>
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<tbody>
<tr>
<td><strong>GV510</strong></td>
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<tr>
<td>Dual Long Life LED Strobes</td>
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<tr>
<td>19” Monitor</td>
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<tr>
<td>Remote Control</td>
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<tr>
<td>2 Year Warranty</td>
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<tr>
<td><strong>GV520</strong></td>
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<tr>
<td>Motorized Traverse</td>
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<tr>
<td>Automatic Lateral Scanning</td>
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<tr>
<td><strong>GV530</strong></td>
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<tr>
<td>Programmed, Multi-Position, and Combo Position</td>
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</tbody>
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<tr>
<th>Optional on All Systems</th>
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<tbody>
<tr>
<td>Touch Screen Monitor</td>
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<tr>
<td>Higher Resolution Cameras</td>
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<tr>
<td>Split Screen</td>
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<tr>
<td>Dual Camera Support</td>
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<tr>
<td>White and/or UV Strobe Light</td>
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<tr>
<td>Expanded Fields of View</td>
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<tr>
<td>Image Save</td>
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</tbody>
</table>
Code-Tracker Applications
For use where barcode accuracy is critical, including pharmaceutical, label, packaging, & converting applications. Decode & grade most 1D & 2D barcodes. Sequential number, duplicate and missing label check.

CT200
- Pass/Fail Indication • High Speed Scanners • Computer Based

Options
- Sequential Numbering Checking • Audit Trail • Multiple Heads • Roll Reporting

CT300
- ANSI/ISO Bar Code Grading (A-F) • Up to 200 Scans Per Second • Picket or Ladder Orientation

Options
- Multiple Heads • Alarm Indicators • Roll Reporting • Audit Trail

Register Control Applications
For use on preprinted/reprinted web. Monitors multiple print/die stations to ensure registration accuracy.

RC400
- Registration Control for Print or Die Station • Dual Optical Scanners • Controls AC Synchronous Motor

Options
- Control up to 16 Stations

MLS/ELS400
- Independent Station Control • Dual Optical Scanners • Controls Stepper & Servo • Quick Job Setup

Options
- Control up to 16 Stations

Length Monitor Applications
Use when printing on a flexible surface, or where tension changes or roll slippages occur.

LM400
- Real-time Graphing of Repeat Lengths • Roll reports

Options
- Up to 4 Optical Scanners per Unit • Visual & Audible Alarms

Upgrade Policy:
• Software: Free software updates.
• Optional Features: Upgrade any systems’ features for price of hardware and software options, with no hidden costs.
• Model Upgrade: Receive 100% trade-in credit toward newer systems for the 1st year, and 50% credit for the 2nd year.

Satisfaction Assurance Policy:
During the first 30 days after you receive the system, we will refund your purchase price, less startup and shipping costs, if the system is unable to meet the specifications agreed upon at purchase.

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