

# GUARDIAN

# MINI

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The Guardian Mini is a **CUSTOMIZABLE** version of PC Industries' full featured Guardian PQV.

**FLEXIBLE** enough for any press and **AFFORDABLE** enough for any budget.

The Mini lets you select the features that you need from a comprehensive list of capabilities, including:

- 100% Inspection
- OCR/ OCV
- Barcode Verification, Sequential Check, and ANSI/ISO Grading
- Dimensional Gauging
- Length Monitoring and Reporting
- Missing Label Check
- Unremoved Matrix Check



# Guardian mini



The **GUARDIAN MINI** is a customizable system that allows you to select only the features that you need. It's an economical alternative to the full-featured Guardian PQV 100% Print Quality Verification system.

Each system includes all the standard hardware you need to get started. Expand the ability of your Mini by selecting one or more of our standard software modules, including 100% Inspection, OCV/OCR with sequential check, Bar Code Verification, and more.

## Features/Options

**100% Inspection** The **100% INSPECTION** module inspects 100% of the web, 100% of the time. This easy-to-use, operator friendly system features a quick set-up. It detects defects such as color variation, broken characters, missing or extra characters, and background or graphic defects.



**OCR/ OCV** With **OPTICAL CHARACTER RECOGNITION (OCR)**, the accuracy and quality of each human readable character is verified. **OPTICAL CHARACTER VERIFICATION (OCV)** verifies variable data against a set of possible values. Deviations are marked and highlighted for review.



**On-Press Defect Roll Mapping ON-PRESS DEFECT ROLL MAP** records all defects found on a roll. It provides 100% inspection, even while the operator reviews or edits the Map. The Map can be edited and passed to a slitter/rewinder workstation, where it automates the roll audit process.



**Barcode Verification with Sequential Check** On systems equipped with **BARCODE VERIFICATION**, a press operator can easily set up inspection for a 1D or 2D bar code. This feature verifies the barcode and any human readable static or sequential data.



**ANSI/ISO Standards Barcode Grading** The **ANSI/ISO BARCODE GRADING** module verifies 1D and 2D barcode quality against ANSI/ISO standards. Results and a record of operator action are stored in a secure report on the Guardian or can be downloaded to the network.



**Dimensional Measurement and Gauging DIMENSIONAL MEASUREMENT AND GAUGING** allows operators to easily monitor the distance between specified print and/or die features. Measurements can be reported by millimeters or by thousandths of an inch.



**FDA 21 CFR Part 11 Compliance** The **FDA 21 CFR PART 11 COMPLIANCE** package provides a secure login, reporting and documentation to allow pharmaceutical printers to fully comply with this FDA regulation.



...And more. Contact PC Industries for more information.



## Specifications

Operating System	Windows XP Professional or Windows 7
Computer	High performance computer, suitable for production environments
Remote Support	Via internet or network card
Types of Cameras	Area scan, color or greyscale
Maximum Cameras	Up to 4 cameras
Material Types	Labels, paper, foil, film carton, transparent
Control Outputs	Programmable dry contacts normally open/closed
Output Devices	3 Color alarm light stack (pass, warn, fail) with audible alarm, marking and flagging devices, machine jog/ stop and diverters
Machine Integration	Presses, inspection rewinders, tabletop rewinders, inkjet, thermal transfer printers, and packaging and converting machinery.
Power Supply	100-240 VAC, 50-60 Hz



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