



# MANTIS™

## BAR CODE VALIDATION SYSTEM

Since 2002 The Mantis Bar Code Validation kit has helped food, beverage, pharma packaging and on-demand printers prevent and eliminate costly manufacturing errors. Hundreds of systems have been successfully installed in manufacturing and packaging applications. The system pays for itself after the first error is detected.

### Set Up Modes

- “Show and Go”
- Command Codes
- Selector Switch
- Serial interface

### Alarms:

- Visual and Audible
- No Read / No Match
- Low Print Quality
- Batch Complete

### Accessories:

- Laser Scanners
- CCD Imager
- Hand Scanners
- Bar Code Grading

### Additional Capabilities:

- Material Handling
- Automatic Sorting
- Validate Print / Apply
- Verify Ink Jet Coding
- Tote Routing
- Product Counting



100% In-line verification of product coding is an essential part of good manufacturing practices and quality control procedures. Bar codes must not only be printed with high quality but also correct for the SKU. Additionally, date and lot coding must be checked for print defects, placement accuracy and correctness. Most importantly, the bar code validation system must be easy to use, catch all errors, alert for corrective action and be cost effective.

The Mantis Operator Interface (2002) is designed to train unattended bar code readers and sensors to alert line operators to packaging errors before costly mistakes are made. Visual, audible and control line alarms alert operators as soon as an error (no-read, no-match, out of sequence) is detected. The Mantis Operator Interface accepts data packets at RS232 or Ethernet signal level from all brands of unattended bar code scanning systems, CCD imagers, vision systems and optical sensors. Learned bar code data is compared to bar codes actually read and go, no-go decisions are made.

Field tested and mature software allows for enabling passwords for LEARN, RESET and relay operation. Counters, the number of bar code readers and the number of match codes is also programmable.

Setting up the Mantis is as simple as “show and go”. Security options are available by enabling / disabling the switch, command codes and keypad. Via the network connection, errors and counts may be archived for management reporting

Mantis relay outputs are typically used to stop conveyors, actuate diverters and machine control.



## Mantisco Systems, Inc.

805 Lake Street #107  
Oak Park, Illinois 60301  
(708) 401-8197  
(708) 401-0106 fax

[www.mantisco.com](http://www.mantisco.com)

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## BAR CODE VALIDATION SYSTEM

Cost justification for 100% bar code validation is based upon:

- Product Loss
- Primary Package Expense
- Secondary Package Expense
- Machine Hours
- Adhesives
- Labor Expense
- Set Up
- Maintenance

Mislabeled Costs Include:

- Regulatory Liability
- Civil Liability
- Product Recall
- Labor
- Lost Customer Good Will
- Return Freight Cost
- Allergan Liability
- FDA Sanctions
- Product Waste
- Empty Store Shelves

KIT FEATURES:

- Mantis Operator Interface
- Unattended Bar Code Reader
- Relay Output Connectors
- Mounting Diagram & Bracket
- Photocell Detect
- Preconfigured Optics
- Documentation



**1-D Symbols:** UPC, I 2 of 5, GTIN, Code 39, EAN, Pharma Code

**2-D Symbols:** Datamatrix; Micro PFD, RSS-14, GS1 Databar

**Text:** OCR, Expire Dates, Lot Coding; Batch Codes

**Print Methods:** Thermal, Offset, Small Character Ink Jet, Large Character Ink Jet; Lase Etched, Rubber Stamp

**Applications:** Primary & Secondary Packaging; Print & Apply;  
Pallet Labeling, PCB Identification, Sorting, Counting

**Electrical:** 24v Operation, 2 Programmable Relay Outputs, 2 ea.  
RS232 COMS, Ethernet, BB-EEPROM

**Dimensions:** 10" x 8" x 4"



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