

Features:

Set Up Modes

- Selector Switch
- "Show & Go"
- Key Enter
- Hand Scan

Alarms:

- Visual & Audible
- No Read / No Match
- Missing Numbers
- Batch Complete

Accessories:

- Fixed Laser Scanner
- Vision System
- Hand Scanner

Interface:

- Serial RS232
- Network

Applications

- UPC Verification
- Brand Counting
- Conveyor Controller
- Freight Validation
- Print & Apply Verifier
- USPS Intelligent Bar Code Scanning

Cost justification for in line coding validation systems is easily calculated.

- Product
- Wrap Materials
- Carton Formers
- Secondary Package
- Machine Hours
- Adhesives
- Labor



MANTIS™

OPERATOR INTERFACE



Bar Code

Date Code

Lot Code

In-line verification of product coding is an essential part of good manufacturing practices and quality control procedures. Bar codes not only must be high quality by ANSI grading but also correct for the SKU. Additionally, date and lot coding must be checked for defects, placement accuracy and correctness. Most importantly, the operators / machine interface must be easy to operate, catch all errors, alert for corrective actions and be cost effective. After all, there is nothing like a high speed packaging line for duplication of errors.

The MANTIS operator interface is designed to teach sensors and scanners as well as alert line operators to packaging problems before errors accumulate. Visual, audible and control line alarms alert operators to product identification issues upon the first occurrence. The MANTIS can accept data from bar code scanners, vision systems and optical sensors. No PLC is required to operate.

Setting up the MANTIS is as simple as "Show and Go". Various levels of security are available by enabling/disabling the key switch, command codes and keypad. Via the Ethernet connection, errors are logged on quality control reports.

If your operation has frequent changes between SKU's, faces FDA mandates or would like to see a demo, contact Mantisco today.

Mantisco Systems, Inc.

PO Box 6023

River Forest, Illinois 60305

(708) 366-3621 ph

(708) 401-0106 fax

info@mantisco.com

www.mantisco.com

MANTIS

Operator Interface™

Mantis Operator Interface Applications

Since 2003 the Mantis Operator Interface has met the varied needs of material handling applications. With dozens of systems installed, the Mantis Operator Interface is a field tested and proven method to verify that bar codes are readable and correct. Applications using the Mantis Operator Interface has grown to include Brand Counting and Material Handling Controls.

Bar Code Verification

When installed on a packaging line, the Mantis answers the questions, "Is the bar code correct for the SKU?" and "Is the bar code readable?" If the answer to either question is no, the Mantis alarms will actuate. By detecting the very first wrong bar code you save all corrective action such as recall, rework or scrapping.

Material Handling Controller

Pair the Mantis Operator Interface with an unattended bar code scanner and create a cost effective system for carton routing, go no-go decision making and carton presence recording.

Example 1: Digits 1-3 of a 8 digit bar code indicate a store number. Cartons of product for stores are routed to the north and south end of the distribution center for pallet building. A look up table at the Mantis makes carton routing decisions. The look up table can be viewed and edited on the Mantis screen.

Example 2: The Mantis receives bar code data from an overhead omnidirectional scanner mounted on a powered conveyor down line. The Mantis records the presence of each carton. If the carton can not be read or is wrong for the trailer, the conveyor is stopped and a visual – audible alarm is sounded.

Brand Counting

The Mantis Operator Interface may be configured as a low cost Ethernet network client. Each time a valid bar code is read, a data packet is transmitted to the Brand Counting Application (SQL).

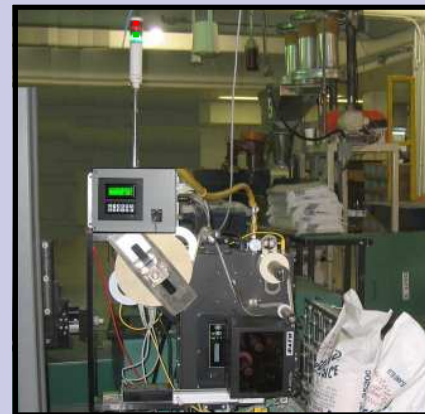
Brand counting eliminates the need for clipboards, fence post tally and manual key entry of data. Production reports are timely and provide near real time data. Historical data may be exported to other applications for unlimited uses.

SERVER: BAGGER LINE 3

<u>BRAND CODE</u>	<u>DESCRIPTION</u>	<u>COUNT</u>	<u>START</u>	<u>TIME</u>
1006300061359	12 oz Cherry	1044	08.01.07	09:18:22
1006300050658	14 oz Grape	2112	08.01.07	09:22:01
1006300011289	Apple 12 Count	613	08.01.07	09:35:10
1006300020194	Peach 24 Count	1215	08.01.07	09:36:52

Print & Apply Verification

The Mantis Operator Interface is a low cost accessory used for 100% label inspection with print and apply systems. The Mantis operates independently of the print and apply system and is located just down stream of the printer applicator. The Mantis Operator Interface answers the questions "Is the bar code correct for the item?" and "Is the bar code readable?" If the answer to either question is no, alarms are made.



Mantisco Systems, Inc.
PO Box 6023
River Forest, Illinois 60305

(708) 366-3621 Ph
(708) 401-0106 Fax

sales@mantisco.com **www.mantisco.com**