

# Bar Code Inspection System for Unit Dose Pharmaceutical Packaging

**Scanning  
Devices**



## Overview

Our Target Barcode Inspection System for Unit Dose Pharmaceutical applications inspects bar codes on unit dose packages as they pass down a conveyor. When inspecting doses packaged in strips, it can also count to ensure that the correct number of doses are included in the final packaged strip. The system is designed to compliment unit dose packaging machines aiding packagers in achieving Bar Code Medication Administration (BCMA) quality objectives.

The system consists of a System Controller, Motorized Conveyor, and Scanning Head. The conveyor is controlled by the system and automatically delivers packages for inspection through the inspection station. The system generates audible signals for pass or fail. On detection of an error the system emits an audible warning and stops the conveyor for operator intervention.

Screening with Target Barcodes Systems during post printing, assembly and labeling operations can prevent costly errors by identifying incorrect stock and incorrect counts early in the production process. Our systems capture statistics that can integrate as metrics into your continuous improvement processes.

## System Features/Capabilities

- Reads most common Bar Codes including; Code 39, UPC/EAN, Code 128, Codabar, and Interleaved 2 of 5 Code
- Identifies WRONG-CODE errors
- Reports number of doses inspected in the batch
- Validates the number of doses in a strip of packaged doses is correct
- Provides audible alarm and turns off conveyor:
  - On WRONG-CODE errors
  - On identification of incorrect dose quantities in a strip of packaged doses
- Easy interface/connection to PC for system setup and recording of all scanned results

## System Controller

- Six digit numeric display shows accumulating batch count, two digit display shows number of doses in current strip
- Emits audible signal indicating inspection success or failure
- Red and Green indicator lights indicate inspection error or proper operation
- Set-up via computer or manually using 5 front panel keys
- RS232 interface transfers inspection parameters and results between PC and System Controller



## System Conveyor

- Motor driven with FDA compliant urethane-coated polyester belt
- Standard size 8" W x 48" L
- Guide bar for material alignment with bar code inspection station
- Mounting bracket for barcode scanner
- Moves material from filling station thru bar code inspection area
- Speed - 30 feet per minute, (inspection rates depend on packet size)
- Assures constant speed at scanner head for positive accuracy

