

Portable Vision System

Bayard Machine Control

BMC Machine Vision Solutions provided the customer with a turnkey inspection station featuring a BANNER VISION EDGE machine vision processor and standard resolution camera. Illumination is accomplished with LED bar light on either side of the bottle opening, thereby illuminating only the tops of the product. Adjustable camera and lighting mounts and an air driven reject mechanism will need to be mounted to an existing conveyor. An operator interface console with HMI display is mounted to inspection station. A BANNER VISION EDGE interface provided the customer with product counts, analysis of images and inspection set-up access.

HIGHLIGHTS:

- (1) Setup for bottle cap testing
- (2) One Banner camera plus 1 LED light (optional IP67 rating)
- (3) Banner Camera adjustable position
- (4) The Vision Inspection Station will scan containers for defects at a high production speed in excess of
300 containers per minute.
- (5) Vision Inspection Station will utilize aluminum frame construction
- (6) NEMA 4 enclosures for electronic controls (optional 4X enclosure rating)
- (7) PLC to track part and interface with diverter/ejector solenoid (Optional Diverter/Ejector)
- (8) 10" Color touch screen HMI, will provide real-time feedback on inspection status
- (9) Failed image logging capability will be stored to compact flash drive
- (10) Software stores and recalls rejects for up to 100 containers

NOTE: Diverter to be supplied by customer

Mechanical and Electrical installation supplied by customer

