

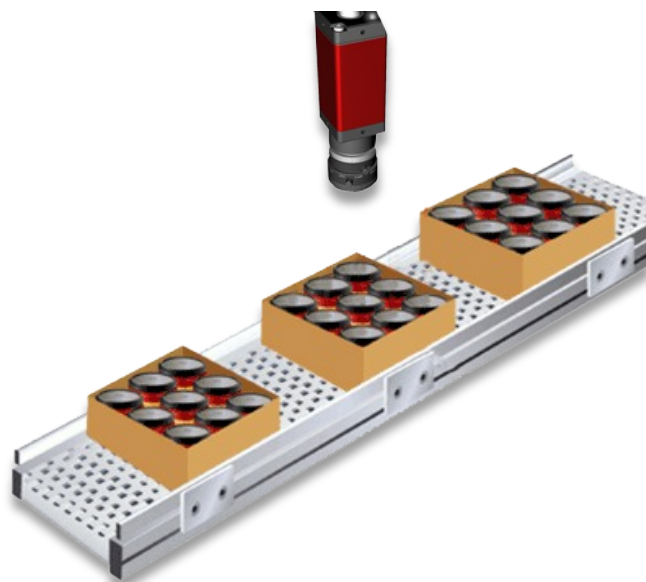
# APP1010

## Print quality control and text recognition

- ✓ Packaging
- ✓ Codes recognition
- ✓ Pattern recognition
- ✓ Color measure
- ✓ Multicontrol

Complexity

①②③④⑤



### TECHNICAL FEATURES

- *In-line control of Ink-Jet printed codes*
- *Solution uses EOPTIS' Hardware, B/W IP65 cameras, built-in illuminator*
- *Automatic control on 9 different product types*
- *Software setting via touch-screen*

## 1 CUSTOMER NEEDS

The customer needs to check the codes (alpha-numeric and barcodes) related to the product expiration date, product identification code and tracking number as well as the print quality, so that a stop signal will be automatically sent to the system in case of non-conformity. Furthermore, the solution has to be suitable to:

- Frequent format modifications
- Check on 100% of the products
- High rate line with uncontrolled illumination

## 2 SOLUTION

The proposed solution uses a high performance EOPTIS' hardware, with a B/W camera mounted above the conveyor. The proper illumination is ensured by a custom illuminator built by EOPTIS, coupled with the cameras. The system can work continuously and could interact with an pneumatic system to control the product rejection. A format change could be easily set via touch-screen interface.

- Solution completely integrated with the customer system
- Touch-screen system control

## 3 BENEFITS ACHIEVED

Real-time control significantly reduced the production stops, increasing the plant efficiency with an investment return already after the first year of use.

- Less production stops and increased line efficiency
- Higher granted quality