

## Customer

Food, Beverage and pharmaceutical Packaging industries.

## Customer Requirements

The purpose is to avoid an unprinted product to be floated in the market.

## Epsilon Solution

P4-OMNI vision sensor with 12mm C-Mount lens and red area light

## Why Epsilon?

Speed – Sensor performs inspections within 16 ms on products traveling at 120/minute

## Customer Benefits:

- Improved Productivity
- Easy installation
- Improved Speed

## Product Image



## PresencePLUS P4 Omni Features

- P4 OMNI model (640 x 480 pixels) provides accurate analysis at high speeds
- Includes remote TEACH, configurable I/Os, live video and communications standard to all PresencePLUS sensors
- Features compact, self-contained P4 housing

## Learn More

Visit [www.epsilonfiberoptics.com](http://www.epsilonfiberoptics.com) for more application information

## Date / Lot Code and 2D-Code Verification



*Deployed 160mm from its target, an P4-OMNI with 12mm C-Mount lens inspects for the location and presence of date and lot code and 2D-Code Reading on high speed Conveyor.*

## Background

Date/lot code print verification and 2D-code reading is a common requirement in the food, Beverage and pharmaceutical packaging industries. These industries need a simple, cost-effective, and reliable way to verify that the date/lot code and 2D-Code is correct.

## Challenge

The Products (Different size of bottles ) traveling at speeds of up to 120/minute with so many Challenges on same speed The Date Code/Lot Code scanning system is designed for checking the presence or absence of a pattern / design on products (ink jet printed pattern on packets, in this case) and 2D-Code reading system is designed to decode the 2D-Code.

## Solution

The Epsilon P4 OMNI image sensor provides a simple way to perform date/lot code verification and 2D-Code reading using the GC and Barcode tools, Epsilon P4 OMNI image sensor can provide additional reliability for date/lot code and barcode inspection. The design of the date code on each Bottle is compared with the pre-taught design for each batch. And same decoded 2D-Code value is compared with Saved value In event of a code missing and wrong value two electronic outputs are generated from the Intelligent Controller along with a buzzer. In your case, one of the outputs is used to eject the faulty packet by air purge nozzle.