

Pharmaceutical Application: Pill Package Inspection

A pill manufacturer needs a system, which will inspect pill packages for contents and labeling.



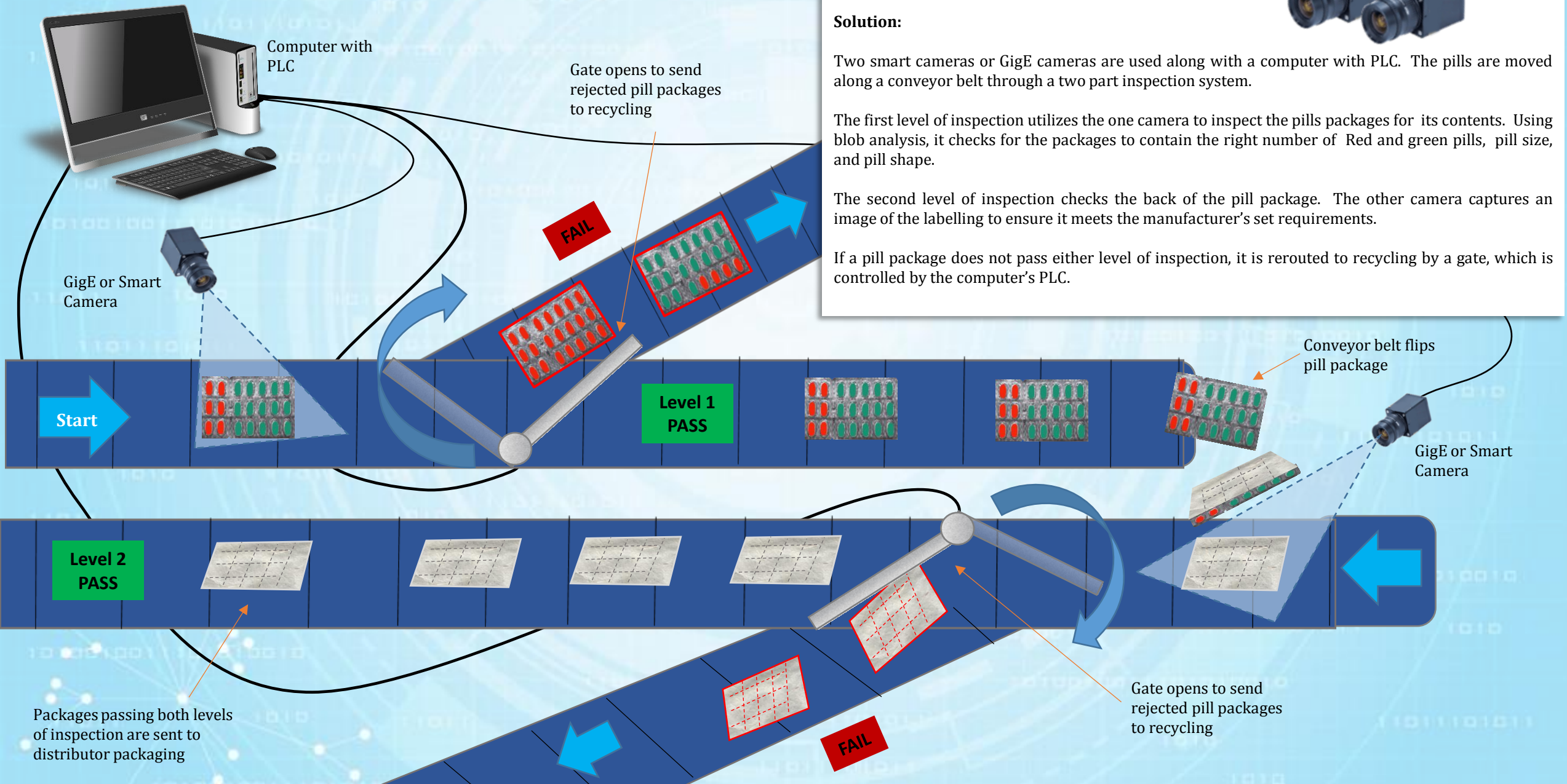
Solution:

Two smart cameras or GigE cameras are used along with a computer with PLC. The pills are moved along a conveyor belt through a two part inspection system.

The first level of inspection utilizes the one camera to inspect the pills packages for its contents. Using blob analysis, it checks for the packages to contain the right number of Red and green pills, pill size, and pill shape.

The second level of inspection checks the back of the pill package. The other camera captures an image of the labelling to ensure it meets the manufacturer's set requirements.

If a pill package does not pass either level of inspection, it is rerouted to recycling by a gate, which is controlled by the computer's PLC.



Packages passing both levels of inspection are sent to distributor packaging

Gate opens to send rejected pill packages to recycling