



Case Study

AIS Ltd
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Print, Apply and Inspect Solution for leading healthcare company

One of our customers, a global leader in healthcare diagnostics, located in Northern Ireland, required an automated process to apply labels and also inspect print on their bottles of test solutions to replace a semi-manual and slow process which required someone to manually check print quality, leaving themselves open to human error.

The Challenge

Our customer required a fully integrated and automated solution for a complex process that would print and apply the labels, and a vision inspection system to check the details of the products such as label positions, colour matching on caps and product code. In the event of an incorrect product code being detected, a reject system was necessary.

The Solution

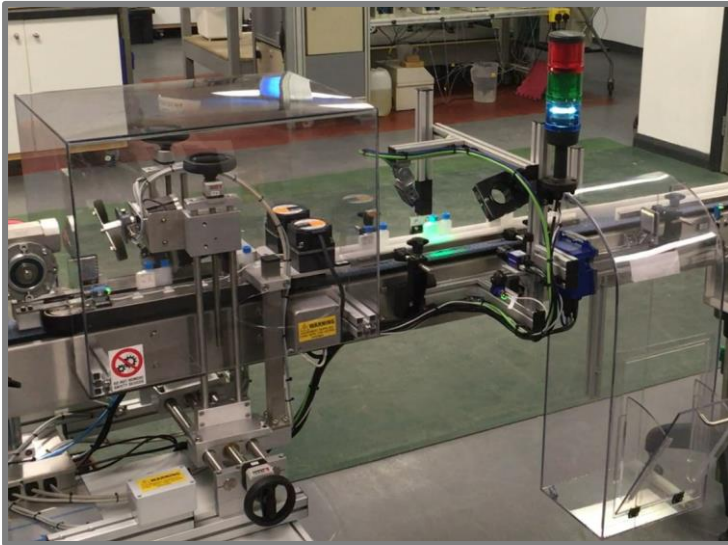
In order to print the product label, an [Industrial Zebra label printer](#) was built into an [ALTech ALline](#) label applicator with Alritma head. After the product is wiped down on top and side, the 2D product code is read by a [Matrix 210](#).

A [P Series Camera](#) checks the colour of the cap, the product identifier and the position of text. This information is all fed back into the Datalogic IMPACT software which has been customised by our software engineer to the client's requirements. This is accessed via a touchscreen on the line for ease of access which is networked, allowing remote access, if required.

If any of the inspection criteria is not met, the product is rejected to a rejection station. If everything is correct, the product passes down the production line.



Full Print, Apply and Inspect Solution
from AIS Ltd



Vision Inspection element



IMPACT Software customised to client's requirements.

The Results

- Increased Output – up to 100 pieces per minute.
- Fully automated system has led to increased efficiency.
- Eliminates human error.
- Back-up documentation to aid tracking and traceability.
- User-friendly.

About AIS

AIS supply, install and maintain **Automatic labelling, Machine Vision, Barcode scanning/verification and label printers** to a number of industries including life sciences, food and beverage, manufacturing and logistics, throughout Ireland and abroad. Established in 1998, we are a 100% Irish owned company with divisions in the UK, Spain and the Netherlands.