



Case Study

AIS Ltd
Unit 48, Canal Walk,
Park West Industrial Park,
Nangor Road
Dublin 12

Print, Apply and Inspect Solution for global medical device company

One of our customers, a leading US medical device company with a manufacturing facility in the West of Ireland required a print, apply and inspect solution to replace a manual label application process.

The Challenge

The existing process was to pre-print labels in the print room and manually apply one to each side of a box. One of the main issues of this was that an excessive amount of labels were printed, and those not used were wasted, making label reconciliation very difficult. They were also unable to check if the barcode was correct or if the print quality was sufficient. Two labels were required on each box, a particular label on a particular side which proved challenging in a manual process.

There was also a space restriction which we had to take account of, as well as address the label and ribbon waste and the high number of boxes being dispatched without labels. Our customer wanted to semi-automate the whole process to meet the above challenges and to achieve a higher output.

The Solution

With such a vast amount of requirements our team of Engineers set to work on a solution. They advised using the [Altech Alcode print and apply label applicator](#) with an integrated [Zebra ZE500](#) print engine. Once the label is applied it is inspected by the [Matrix 201N](#) and the AIS [VB6](#) which scans for correct labels. The machine will automatically stop if an incorrect label is detected.



Correct number of labels are printed by the Alcode.



Label is inspected by the Datalogic Matrix 210 and the AIS VB6.



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The Results

- Greatly speeded up production process.
- Feedback from operator is very positive.
- Less room for human error.
- Ability to print on demand which means less label and ribbon waste and cost savings.
- Quicker throughput.
- Improved QA with automated label checking.

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 Spain and the Netherlands.