Case Study

Blister pack marking and inspection system for an international animal health company.
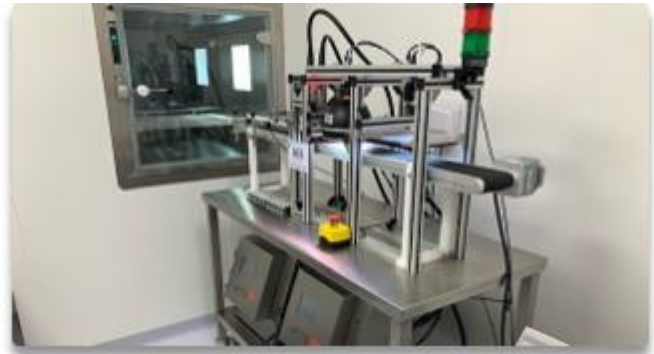
Summary:

We designed and installed a system to print up to 8 lines of legible text on a blister pack which was inspected to confirm print was correct with a 21 CFR ready vision system.

The Challenge:

The client wished to print 4 lines of text and contemplated putting in four separate printheads or doing 4 passes on the line. There was a small clean room, so the design needed to be compact. Lastly the print was on a domed product with a reflective material which threw up vision inspection challenges.

AIS Solution:

- **2 x CIJ Printers;** Hardware used – Leibinger Jet2Neo with 70UM nozzle with sealtronic system – mess free start-up.

- **Vision Inspection;** Hardware used

  - MXE 20 Processor (AOCR) – 2 camera ports, advanced OCR.

  - E181 Camera X 2

  - Dome Light – for evening out flat surfaces on the product.

  - Ring Light – evens out angled surface on the product.

- **Other:** 2M conveyor with custom frame + Touchscreen HMI

The Results:

A compact, fully integrated system which perfectly fits our customer's initial requirements. The AIS Engineering team ensured that the best technology was used to suit the customer budget and quality assurance needs.

About AIS

We supply complete solutions for Automatic Labelling, Machine Vision, Barcode Scanning, Barcode Verification, Label Printing and Ink-jet Coding 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. For more information see www.aisltd.ie.