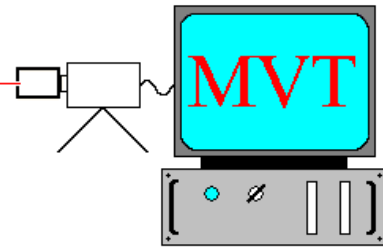


Machine Vision Technology Ltd.

Real Vision for the Real World



Case Study- 2D Bar Coding in Pharmaceutical



When a blue chip manufacturer approached the team at Machine Vision Technology to implement 2D bar code reading in production the challenge was two fold-

- 1) A potentially reflective surface with many colour variations.
- 2) The indexing speed of thirty per second.

This application is solved with the use of a bank of three high speed cameras and customized lighting incorporated within the manufacturing fully automated system. This includes interfacing with both the handling/robotics PLC and code marker, with output control to segregate reject product.

Within the pharmaceutical industry the use and application is driven by **traceability** and the fight against **counterfeiting** as is the case in this application, and to also conform to the latest EFPIA legislation.

Unlike barcodes, Data Matrix symbols can be read in any orientation and can contain alphanumeric information rather than just numbers removing the need for a lookup table of product numbers.

Benefits are-Full traceability. Data Matrix can carry 25 to 100 times more information than typical bar code: 3116 numeric, 2335 alphanumeric characters or 1556 bytes of binary information.

There is 6 error correction schemes to allow recovery from symbol damage.

If you would like further details or you have any questions then please call-

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