



Ref 060412JW

Application Title

Date and Batch Code Print Confirmation

Application Details

The customer was using a simple “blob” sensor to detect that a date and batch code had been applied to a pharmaceutical label.

This sensor basically only detects that a black area is present on the packaging. This may be smudged print, incorrect characters or characters may be missing. Bad print can be passed as a good product.

Vision systems are available with OCR (optical character recognition) to confirm the print but these are generally costly and can be challenging to integrate into existing machines.

Solution Provided

We were able to provide a vision sensor that incorporates a special character detection function. The sensor provides a pass/fail PnP transistor output so could be wired directly in the place of the existing blob sensor.

The character tool will detect smudged print, missing characters, and incorrect characters.

When the print is changed, a line technician can re-teach the vision sensor in less than one minute.

The sensor even incorporates a small monitor to enable visual conformation of print quality on the fly.

Part Numbers

MC 2503-0010 Vision sensor camera and amplifier, PnP

Budget Value

£1200

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