



CHECKMATE PRINT HEAD

Solving The CIJ
Inspection Challenge



CHECKMATE PRINT HEAD

WHO WE ARE

The CheckMate™ Vision line of label verification systems are developed and manufactured by ClearView Imaging Ltd, a machine vision specialist based in Oxfordshire, UK.

A NEW APPROACH TO READING CONTINUOUS INKJET PRINTED TEXT

CheckMate Print Head has been developed to complement the growing use of continuous ink-jet (CIJ) printing, offering far superior and accurate character/string recognition rates than current code vision systems.

CheckMate Print Head does not use pre-processing. Its patented algorithm is capable of discerning individual characters – even partially printed ones – with far more accuracy, resulting in higher quality levels, improved confidence in the printed information, low spurious faults and greater peace of mind for the end-customer supermarkets

KEY BENEFITS

- Simple and easy to use
- Strings can be Set to Various Formats
- Strings can be Constrained
- Save Images

CREATE A JOB Printing Settings Results

Font: UniversalFont_7.mdmf

RUN PARAMETERS

☐ Save Images

☒ Save Results to CSV File

STRING SETUP

	Type:	Format:	Offset (days):
Row 1:	<input checked="" type="checkbox"/> DateTime	ddMMyy	30
Row 2:	<input checked="" type="checkbox"/> Counter	Start Number (inc Leading zeros):	001

RUN JOB

- Mirrors Set-Up Flow and Options of Standard CIJ Printers
- Inspect and Read/Verify One or Multiple Lines of Text
- Save and Export Results



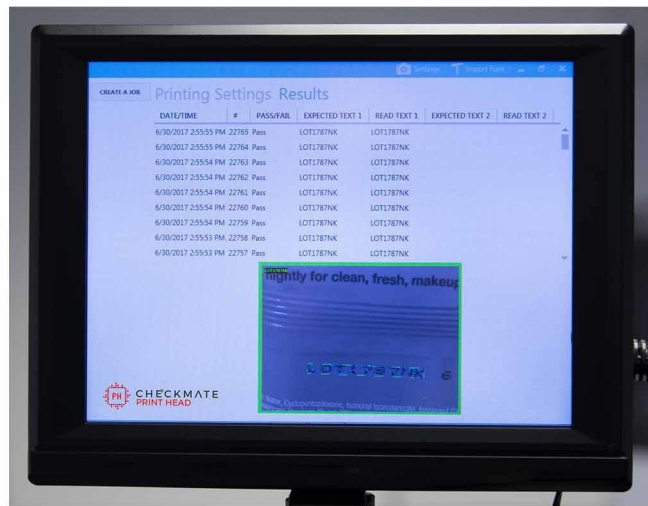
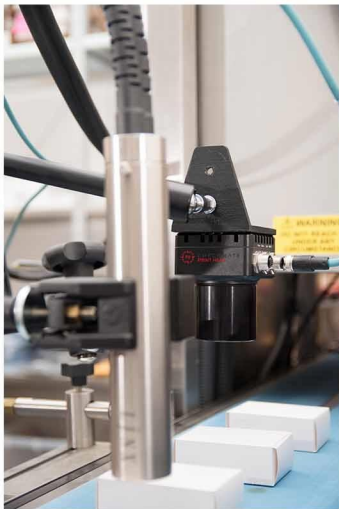
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PRINT HEAD

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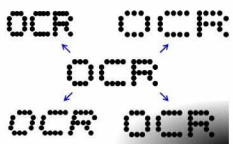
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EASY INTEGRATION ON TO EXISTING PRODUCTION LINES



THE CORE ALGORITHM

- Unique patented technology designed for reading/verifying dot matrix text
- Unlike other traditional OCR methods used to solve dot matrix OCR, no pre-processing required
- Easy to use, simply specify dot size and the area to read



Robust to irregular type,
background and illumination



Handles rotated
text



Supports user-defined fonts,
predefined fonts and constraints

MAR 2016

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2016

Recognises punctuation marks,
blank spaces and multiple lines



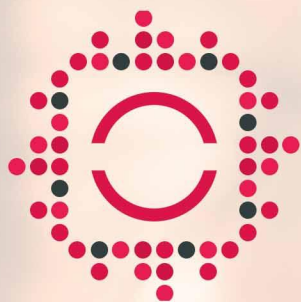
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VISION