

fleyeVision Optional Modules

Barcode Inspection

- Module allows each barcode (single direction) or Datamatrix (dual directional) to be read and inspected for errors.
- Each barcode can be decoded and compared against the information it is supposed to contain for irregularities.
- Barcodes can also be classified on the ANSI scale A-F essential for supermarkets and large scale sellers, it can also be compared against variable OCR data and databases

OCR (Optional Character Recognition)

- Ensures all variable data and numbers are inspected
- Compares decoded information
- Can compare to barcodes, other variable data as well as databases to ensure correct information is contained within the label
- Can check fonts
- Easy to teach new fonts
- Special data handling for clinical trial labels

Pharma

- The Pharma module from fleyeVision allows all the high demands of the pharmaceutical market
- Complies with FDA (21CFR part 11)
- Password protected
- Creates reports containing information such as time, date, operator information as well as recording all errors
- Production of certified validation documents such as PQ, OQ, ZQ

Braille

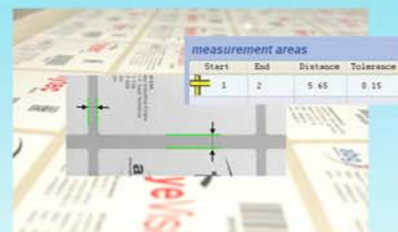
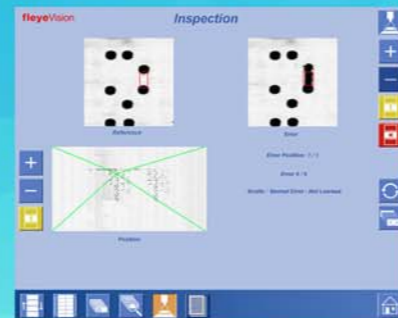
- The Braille inspection Module from fleyeVision allows all Braille dots to be detected.
- Using a special illumination system the Braille control module ensures all dots are present.
- The system can detect the position of the dot, presence of a dot, broken dots and dots below a specific height.

PDF

- The PDF module from fleyeVision allows full comparison to original PDF file.
- This module ensures all text and print is correct and present to verified artwork.
- Ensures all demands of the end user are met and verified.

Gap control

- For some specialist jobs gap distances are essential whether this is print registration distances or die cut gaps.
- The Gap control module allows the operator to be sure that all distances remain within the set parameters of that job.
- Job examples – mobile phone and electronic components



fleyeVision

fleyeVision System

100% print inspection systems for Press or Finishing



To learn more about any of the above modules or the fleyeVision print inspection system please contact your nearest A B Graphic International office or distributor. Alternatively you can contact A B Graphic International direct.

fleyeVision System

The fully modular 100% camera inspection system from A B Graphic International



- Capable of integration on all presses and finishing equipment
- 100% inspection adds confidence both to the label producer and the end user.
- Essential for Pharmaceutical and security markets
- Over 400 successful installations world wide
- Create new business by offering added security
- 15 years of camera inspection experience
- All Systems bespoke and retrofittable with numerous inspection modules

fleyeVision 100% Print Inspection System

The fleyeVision 100% camera system from A B Graphic international is the fully modular solution to all your inspection needs. Add value to your business while being confident that each label you send out is verified by 100% inspection system. The system uses line scan cameras of different resolutions (2K to 8K cameras optional) to detect print errors such as scratches, text irregularities ink blobs, registration shifts as well as colour variations. The fleyeVision system is also capable of inspecting reflective foils as well as holograms. The system is capable of being mounted on press, or on finishing equipment, and works by identifying an error and then presenting the error to the operator depending on the application.



Typical application showing the fleyeVision Inspection Module on an A B Graphic International omega SR Slitter, Inspection, Rewinder

The fleyeVision inspection system is a fully modular concept allowing bespoke possibilities and retrofit options. Modules include Barcodes, OCR, Pharmaceutical inspection modules, Gap control PDF comparison and even Braille inspection modules (see back page for more information).

With the fleyeVision inspection system you can print, convert and rewind with 100% added confidence.

Possible Applications of fleyeVision System

fleyeVision and Finishing

Capable of being integrated to most rewinder/bi directional rewinders and converters available in today's market place Ensures all produce is 100% correct prior to despatch. Essential for Pharma and Security markets to inspect on the last production process

fleyeVision on Press

Capable of integration on most presses Reduce waste by allowing the operator to correct the error at the source. Errors can also be flagged with tabbing system or inkjet for removal by the operator during the rewind stage. Increased press speeds. No longer a need for operator to manually inspect. All errors are detected.



A typical installation of a fleyeVision Inspection Module on a Flexo Press

Printing Press to Rewinder Automated Workflow

Press + fleyeVision system - Detects error

Electronic Protocol created offline

Protocol sent to finishing rewriter (with PC system) via server or USB stick

Rewriter uses protocol to stop errors on splice table for removal by the operator

The workflow system allows error files to be accepted in the quality control department. Removal of insignificant errors such as tiny registration shifts greatly reduces the time in the rewind department.

fleyeVision and Vectra Turret rewriter

A B Graphic International's fleyeVision inspection systems can also be used to inspect on a press or converting line inline with a Vectra automatic turret rewriter. The system informs the operator which rolls contain errors as well as informing the operator how many errors are in the roll as well as where the errors are on the roll. Rolls containing errors are automatically identified and removed for corrective action. Rolls can be accepted, reworked or discarded if necessary. Here the operator could amend the error if it is on the press and also allows maximum machine performance while maintaining 100% inspection.



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