

EyeC ProofRunner *Carton Pre-Feeder*



Easily add print inspection to your folder gluer and check 100% of your material before delivery.

Take advantage of the latest print inspection technology without replacing your existing machinery!

The EyeC ProofRunner Carton is integrated into a Pre-Feeder Module and converts your folder gluer into the perfect inspection solution for folding cartons. As required for most packaging materials for pharmaceutical, cosmetic, toiletry, and branded products, the system inspects 100% of the production and **compares it against the signed-off proof** (typically a PDF file). It uses the folder gluer's existing ejection device to reject any defective item, and provides a full inspection report. As a result, quality requirements are met and customer rejects are avoided.

Flexible solution

Developed together with the machine manufacturer Kohmann, our Pre-Feeder Module is a flexible and movable unit. Compact and easy to connect, it can be

placed in front of any folder gluer. Its high performance vacuum belt guarantees safe handling of all cartons as well as their proper alignment. The system is easy to maintain.

High speed AND high accuracy

The EyeC ProofRunner Carton inspects the entire carton surface, including all flaps. Even if operated at a speed of **500 m/min (1,640 ft/min)**, it detects the relevant defects, so the operator does not have to slow down production or compromise on quality standards.

Ease-of-use

The EyeC ProofRunner Carton is quick to set-up and easy to use. The intuitive interface guides the operator, increasing process safety, while simplifying quality controls and enhancing the operator's satisfaction.

EyeC ProofRunner Carton Pre-Feeder

What type of defects are found?

- ✔ job mix-up
- ✔ defects in text (e.g. missing/broken characters)
- ✔ water spots, scratches, hickeys, smudges
- ✔ ink starvation and color deviations
- ✔ press contamination
- ✔ plate, blanket or cylinder damage
- ✔ die-cutting defects
- ✔ print, foil, crease and perforation misregister

Key features

- ✔ **Flexible Pre-Feeder Module**
Can be easily connected to any folder gluers.
- ✔ **100% job inspection**
Ensures quality and keeps customers satisfied.
- ✔ **Automatic sorting of defective items**
Makes sure that only the correct items are delivered.
- ✔ **Checks against Customer Proof or Good to Print PDF**
Performs a comprehensive content verification in any languages and automates job set-up.
- ✔ **High and low priority regions**
Meets quality requirements while limiting waste.
- ✔ **Hot and cold stamping / reflecting surface inspection**
Addresses the different market needs.
- ✔ **Predefined parameter sets to select tolerance**
Adapt the inspection sensitivity to each job with one click.
- ✔ **Running total of good and defective items**
Prevents underdeliveries.
- ✔ **Comprehensive inspection report**
Keeps track of inspection results and certifies quality.

Technical data

EyeC ProofRunner Carton Pre-Feeder				
	Version	400	660	HiLight 400
Inspection	Application	For pharmaceutical, cosmetic, toiletry, and branded products.		Also for folding cartons combining hot foil stamping and embossing / debossing
	Inspection Width*	400 mm (15.74")	660 mm (25.98")	400 mm (15.74")
	Mode	4K color	4K color	4K color
	Resolution	244 dpi	152 dpi	244 dpi
	Pixel Size	104 µm	167 µm	104 µm
Mechanics	Job Width	450 mm (17.71")	700 mm (27.55")	450 mm (17.71")
	Max. Speed	400 m/min (1,312 ft/min)	500 m/min (1,640 ft/min)	400 m/min (1,312 ft/min)
	Module Length	2,556 mm (100.62")		

* Other dimensions on request.

Options

- ✔ Color monitoring
- ✔ 1D and 2D code reading
(Barcodes, Data Matrix, QR Codes)
- ✔ Variable data inspection
- ✔ Automatic definition of priority regions from the PDF file
- ✔ Defects heatmap