

EyeC ProofRunner *Carton Sorter*



Ensure the delivery of
**high-quality, error-free
folding cartons**

Check your different jobs flexibly

The EyeC ProofRunner Carton Sorter is a 100% inspection system that enables print shops to **perform final quality checks for carton blanks and folding boxes with maximum flexibility**. Separated from the folding and gluing process, it **verifies the output of several machines on a conveyor belt or sorting unit**. With EyeC ProofRunner Carton, you can deliver exactly what your customer expects **without restricting your machines' planning**.

Ensure the highest standards

As required for most packaging materials for pharmaceutical, cosmetic, toiletry, and branded products, the EyeC ProofRunner Carton Sorter **inspects 100% of the production** and compares it against the signed-off proof (typically a PDF file). **Defective items are separated and the system provides a full inspection report**. As a result, quality requirements are met and customer rejects are avoided.

High speed AND high accuracy

Even if operated at high speed, the EyeC ProofRunner Carton Sorter detects all relevant defects anywhere on the carton, including flaps. Sorting the folding cartons is a smooth process that **does not damage the material**, whether it is the correct or incorrect boxes. Combined with a label dispenser or an inkjet printer, the EyeC ProofRunner Carton Sorter **can also check the serial numbers of folding boxes**.

Ease-of-use

Operators enjoy an **extremely fast job set-up** as well as an **intuitive interface, available in all major languages**. Thanks to customizable parameter sets, they can **adapt inspection sensitivity to each job with one click**. The process is safe. Quality controls are simplified.

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Key features

- ✔ **High flexibility**
Check your different jobs on a stand-alone sorting unit.
- ✔ **Highest performance**
Outstanding quality control, even at full speed.
- ✔ **100% job inspection**
Ensures quality and keeps customers satisfied.
- ✔ **Automatically sorts defective items**
Makes sure that only the correct items are delivered.
- ✔ **Hot and cold stamping / reflective surface inspection**
Addresses the different market needs.
- ✔ **Checks against customer proof or good to print PDF**
Performs a comprehensive content verification in any language and automates job set-up.
- ✔ **Quick set-up and user-friendly interface**
The system is up and running in just a few minutes.
- ✔ **High and low priority regions**
Meets quality requirements while limiting waste.
- ✔ **Comprehensive inspection report**
Keeps track of inspection results and certifies quality.

Options

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



Technical data

EyeC ProofRunner Carton Sorter				
	Version	450	550	760
Inspection	Insp. width	450 mm (17.71")	550 mm (21.65")	760 mm (29.92")
	Camera	4k color / 4k monochrome / 8k monochrome		
	Resolution	231 dpi	189 dpi	137 dpi
		231 dpi	189 dpi	137 dpi
		462 dpi	378 dpi	273 dpi
	Smallest detectable defect*	0.22 mm (0.009")	0.27 mm (0.011")	0.37 mm (0.015")
		0.22 mm (0.009")	0.27 mm (0.011")	0.37 mm (0.015")
		0.11 mm (0.004")	0.13 mm (0.005")	0.19 mm (0.007")
	Max. speed	420 m/min (1,378 ft/min)	520 m/min (1,706 ft/min)	720 m/min (2,362 ft/min)
		460 m/min (1,509 ft/min)	560 m/min (1,837 ft/min)	770 m/min (2,526 ft/min)
230 m/min (755 ft/min)		280 m/min (919 ft/min)	390 m/min (1,280 ft/min)	

* At a difference of at least 50 gray scale levels.

EN-19-0405 | These technical specifications are based on standard assumptions. All values provided are to our best knowledge at the time this sheet has been created and subject to change without further notice.