Your vision for quality.

EyeC ProofRunner
EyeC is a leading vision technology company based in Hamburg, Germany. We are focused exclusively on high performance artwork and print inspection systems aimed to assure the highest quality standard throughout the design and printing process.

Our R&D and Customer Support staff consists of highly skilled and experienced engineers, graduated in either Electronic Engineering and/or Computer Technology with long experience in industrial inspection applications.

Our products are based on the latest pattern recognition technology and are designed to meet the needs of design houses, the printing industry, and their customers. They have been developed in close cooperation with actual users, with a strong emphasis on speed, reliability, and ease of use. Our software is produced in conformance to applicable ISO 9001, GMP and GAMP 5 guidelines, and contains all functions necessary for validation according to the guidelines laid out in U.S. FDA Title 21 CFR Part 11.

EyeC systems are in use at numerous customers in the printing, pharma, cosmetic and other industries across the world, producing offset printed inserts, folding cartons and flexographic self-adhesive labels for food, cosmetic, medical and pharmaceutical applications.

**The EyeC History**

2003  
EyeC Proofiler 400 for off-line inspection

2004  
EyeC Proofiller 600 for labels and  
EyeC Proofiller 1000 for cartons

2005  
EyeC Proofiller Braille, EyeC Proofiller 700 for patient information leaflets, barcode inspection

2006  
EyeC ProofRunner for in-line inspection

2007  
Cigarette warning text control tool and color distance tool

2008  
RSS and Data Matrix Code Inspection,  
EyeC ProofRoller for cylindrical objects

2009  
EyeC ProofRunner Carton, EyeC ProofRunner Folder Gluer and EyeC ProofRunner Variable Data

2010  
EyeC Proofiller Graphic Multiuser

2011  
EyeC ProofBook for multi-page PDFs, In-line inspection of foils and patient information leaflets

2012  
In-line inspection of sheet for offset machines, In-line color control

2013  
EyeC Proofiller Content for the inspection of texts, graphics and layout

2014  
EyeC ProofRunner Carton Retrofit

2015  
Braille inspection for A2 scanners,  
EyeC ProofRunner Sheetfed as retrofit module

2016  
EyeC ProofRunner Carton Pre-Feeder

2017  
EyeC Workflow Integration and  
EyeC Quality Link
Finally there is an easy way to check all your prints against your customer proof! With an EyeC ProofRunner you get automatic 100% inspection of all items across the web, content verification against your customer proof as well as the best mix-up prevention you can imagine - right on the press or on a rewinder. The process is simple and yields accurate results; so you can rest assured that you will print exactly what your customer expects. Inspection results are instantly available and can be used for immediate corrective action. This gives you the means to completely control and monitor your printing process and to avoid scrap. In short: 100% inspected, 100% content verified and 100% compared to the customer proof!

**Easy to use**

The EyeC ProofRunner has been designed with ease of use in mind. Any print machine operator can perform a meaningful in-line inspection within minutes.

- The customer proof is loaded automatically based on the entered job data.
- All items across the web are automatically identified.
- Irrelevant areas are automatically disregarded.
- Significant deviations are brought to the operator's attention.
- A full job report is instantly available.

**Smart**

The EyeC ProofRunner uses a compact, high speed line scan camera to continuously acquire a high resolution image of the entire web. A high performance computer system then identifies all printed items on the web and tracks them through the entire print- or converting run. The same computer also performs an intelligent comparison of each printed item against the customer proof. The advanced pattern analysis of the EyeC ProofRunner is capable of distinguishing between the different types of defects, so every significant deviation will get caught and displayed while permissible fluctuations caused by the printing process itself - like minor registration errors or small squeeze marks around individual letters - can be automatically passed. The intelligent design allows for the inspection of hot- or coldstamping elements.
**Reliable**
The EyeC ProofRunner finds all typical defects such as:
missing parts of letters, filled in letters, hickeys, smudges, missing ink, spots, color deviations,
defects in hot- or cold stamping elements.

Through the pre-press link to the signed customer proof
even content errors resulting from mistakes in the
pre-print area can be detected like:
typos, reversed colors in graphical elements, wrong font
or font attributes, incorrect character spacing, missing
special characters or accents.

**Flexible**
The use of different parameter sets allows the EyeC
ProofRunner’s sensitivity to be adapted to product or
customer specific quality standards.

**Comprehensive**
The EyeC ProofRunner gives you the advantage that you
can be sure to print and deliver exactly what your custo-
mer expects.

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**Key Features**

- **100% job inspection**
  Ensures quality and keeps customers satisfied.

- **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.

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**The Design and Printing Process**

![Diagram of the design and printing process](image)

- **Manuscript**
- **First Artwork**
- **Revision Cycle**
- **Customer Proof**
- **One-Up Step & Repeat**
- **RIP**
- **Generate Plate**
- **Press mount**
- **Printing**
- **Finishing**
- **Delivery**
Technical specifications*

<table>
<thead>
<tr>
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<th>EyeC ProofRunner</th>
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<tbody>
<tr>
<td><strong>Version</strong></td>
<td>Web</td>
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<tr>
<td>Optional Cameras</td>
<td>4k monochrome</td>
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<tr>
<td>Optional</td>
<td>4k monochrome</td>
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<td>Available Inspection Widths</td>
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<td>Optional</td>
<td>550 mm (21.65&quot;)</td>
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<td>Optional</td>
<td>760 mm (29.92&quot;)</td>
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<td>Example</td>
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<tr>
<td>Resolution</td>
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<tr>
<td>Smallest detectable defect**</td>
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<tr>
<td>Max. speed</td>
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<tr>
<td>Checks against customer proof</td>
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<td>Automatic definition of priority regions</td>
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<td>Color monitoring</td>
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<td>Distance measurement</td>
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* 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.

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

The EyeC ProofRunner
- is objective and easy to use
- performs 100% job inspection
- asserts consistency between all printed objects that are printed simultaneously
- gives you 100% mix-up prevention
- provides content verification, in any language and any alphabet
- gives 100% assurance that the print is identical to the signed off customer proof
- is fully validatable