

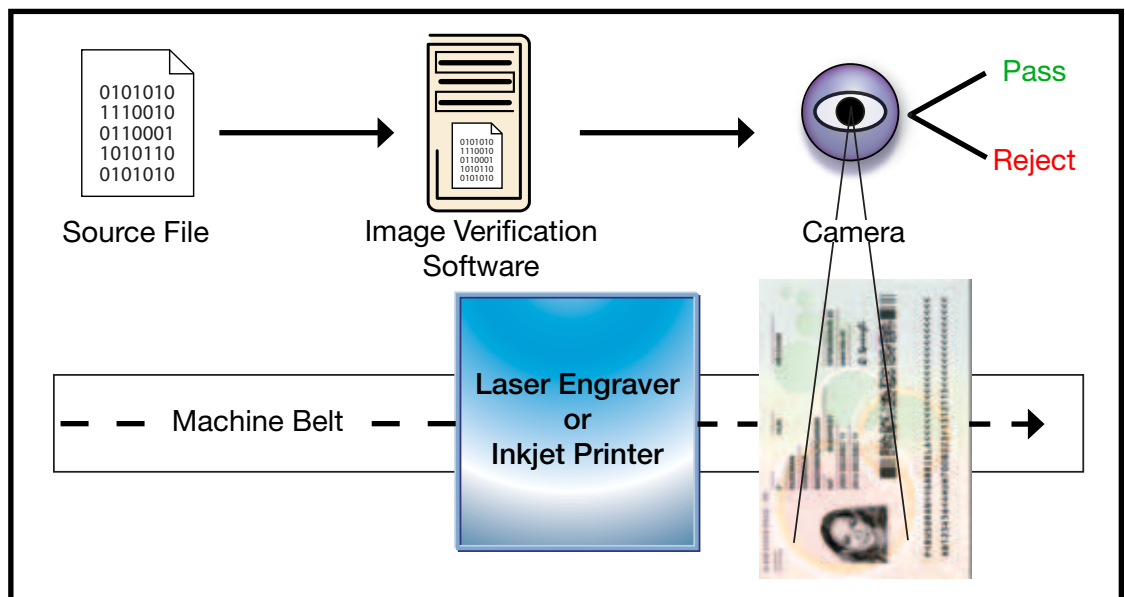
# Inspectron

ENSURING DOCUMENT INTEGRITY

## Image Verification Solutions for Passport and ID Card Personalization

Security documents, such as Passports and ID cards, will normally include a photograph of the holder. Typically this photograph will be produced using inkjet or laser engraving at the time the document is produced. In high volume production environments, it is not possible to rely on the machine operator to verify each document for QA purposes.

During production, things can go wrong: The printer or laser engraver may not work correctly, or there could be a mix up in the data stream causing the wrong picture to be produced. To overcome these challenges, **Inspectron** has developed an **automated image verification solution**, which can make sure that the picture on the document is not only correct, but of an acceptable quality as well.



Typically, documents are produced in batches from a data stream, which contains the bitmap and reference data for that image. After the image has been printed, it should be a perfect representation of the original bitmap. If the quality is too poor, or the wrong image has been printed, it is necessary to identify the error, cause a reject, and instruct the machine to repeat that document at a later stage.

**Inspectron** has developed a **camera-based system**, which automatically compares the image of the printed document with the original source bitmap. **Inspectron's** image verification software performs analysis of the target to produce a set of parameters, which are unique to that image. A quality count value and a 'closeness to the original' value allow the software to determine if the image is of a high enough quality and if it belongs to the correct original.

The **Inspectron** system can be built in to a **variety of personalization machines**, and integrated to allow operator security access and provide a production audit trail.

**Inspectron** has over 15 years of printing and mailing integrity experience. With over 1,000 solutions installed worldwide, **Inspectron** is ideally positioned to help with your unique variable data tracking needs. For further information, contact one of our specialists today!

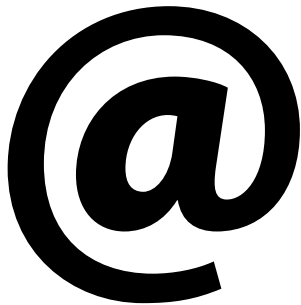
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**Contact a representative today for more information:**



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