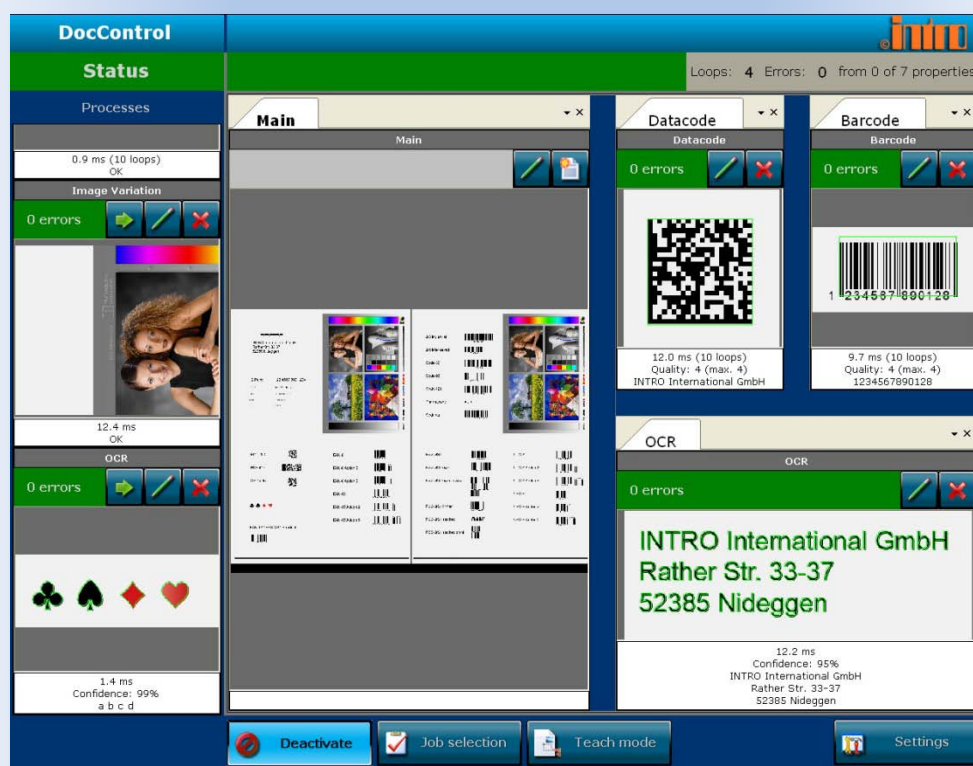


- Technical Consulting
- Digital Printing Solutions
- Vision + Control

- Measurement Systems
- Application Software
- Service + Training



## INTRO DocControl – Print inspection



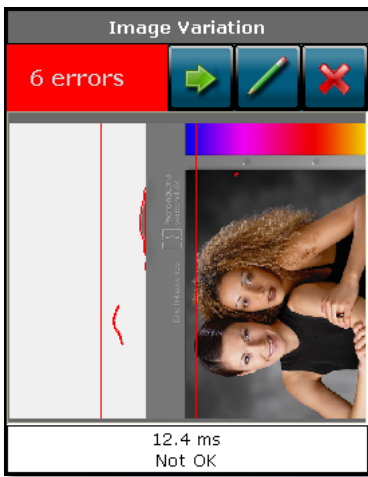
The print inspection *INTRO DocControl* is a modular designed image processing system for inspecting printed products.

Beside an **image comparison** for detecting deviations of the live image compared to a pre-trained golden reference, it can decode various properties like **barcodes**, **data matrix codes** and **OCR fonts** and match the results to data files or databases. This ensures a complete and controlled production.

**Misprints** resulting by ink jet printers (streaker, missing dot) will be detected automatically and can cause the activation of an alarm, up to a machine stop.

The modular design of software and hardware enables the adaption of the system to the specific application. Product widths of **330 up to 980 mm** and a machine speed of **over 300 m/min** are supported.

For detailed information incl. photos, please visit our homepage at



### Image comparison

Any image region can be selected for an image comparison.

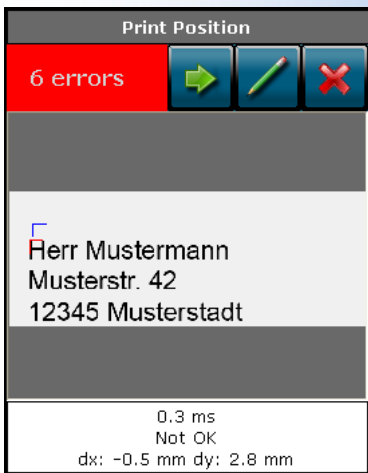
A "golden" image, which is a perfect sample, has to be taught for the image comparison.

During the surveillance, the live image regions are compared to the ones of the golden

### Misprint detection

By using ink jet printers, misprints frequently occur resulting in missing lines (missing dot) or permanently printed lines (streaker).

These are automatically detected and cause an alarm.



### Print position

During the printing of variable data, it may happen that the print image is shifting.

During the surveillance, the relative shift of the print image is determined.



### Object position

Often labels, holograms, member cards or the like are applied to the print product in the finishing.

Here, misplacements up to missing objects may occur. At print job set-up, the ideal position can be taught.



### Barcode / Datacode

The decoding of barcodes and datacodes supports all common used codes.

Beside of the encoded data, also the print quality according to ISO / IEC 15416 is determined.

If the code cannot be read or if the print quality drops under a given limit, an alarm is raised.



### OCR / Symbol interpretation

With OCR decoding, many font types can be recognized without preparation.

For special fonts or even symbols, user-defined fonts can be taught by the user.