

QUALITY MANAGEMENT

# ROLAND InlineInspector 2.0 with QualityMask and PDF comparison



High resolution camera above the last printing unit.



Blast air holds the sheet flat on the cylinder during inspection.

## Check thoroughly, avoid false alarms

Now with QualityMask and PDF comparison for the ROLAND 700 series.

Ever faster, ever more colors – the potential output of printing presses is continually rising. Keeping quality at a constantly high level sheet for sheet is a great challenge for printers. Even with the highest demands on quality for packaging, label and commercial printing, the ROLAND InlineInspector 2.0 enables you to minimize the risk of complaints and relieve your operators of laborious quality control activities.

**Detect even the smallest faults.** The ROLAND InlineInspector 2.0 detects even the smallest hickies, splashes, scratches, streaks, or substrate defects. This is ensured by a high-resolution RGB camera and a specially developed line-scan lens. The camera is installed above the last printing unit or the last printing unit before the sheet turning station and inspects every sheet even at maximum printing speed. A tab inserter automatically flags faulty sheets. For documentation purposes, an inspection log is produced and stored on the hard disk.

### QualityMask

Control – only as much as necessary. To meet the different quality requirements, the printer sets the sensitivity level prior to starting production. The QualityMask also offers the possibility to define individual areas for different sensitivity levels. Non-relevant areas that lie outside a folding carton image for example, or less important areas such as glue flaps, can be excluded from inspection. This saves unnecessary flagging of irrelevant faults. All the printer needs to do is select the appropriate QualityMask at the press.

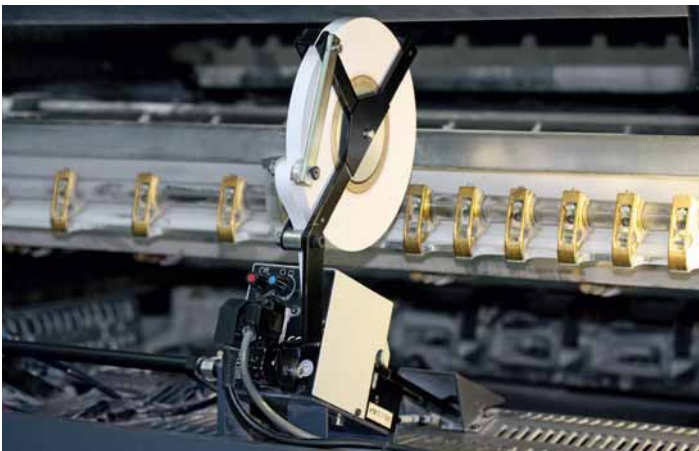
With the ROLAND InlineInspector 2.0 your quality assurance system has a completely new basis. Your customers will be delighted with the higher product quality, you avoid cost-intensive manual quality control, and spoils allowance is considerably reduced. ■■

## Benefits

- An outstanding marketing instrument
- Reduced waste and spoils allowance
- Substrate quality control
- Documented quality
- Drastic reduction in complaints
- Makes life easier for the press operators
- A must for quality printers
- Essential for streamlining the manufacturing processes
- Definable quality requirements with the QualityMask
- Available as a printservices upgrade for presses in the field
- When a job is loaded at Presspilot, all relevant information is transferred to the inspection system

## Sheet guiding with the ROLAND InlineInspector 2.0

Blast air holds the sheet flat on the cylinder so that the entire sheet is inspected to ensure the highest quality.



A tab inserter in the delivery flags faulty sheets.

## PDF comparison

This system compares the printed image with the customer's specification contained in a PDF file. The function is very simple: after the PDF with the customer's specification is loaded into the operating console, the reference sheet (OK sheet) is compared with the PDF. Variations between the PDF and reference sheet are displayed for the printer to decide whether to make changes or not. In the following production run, all sheets are compared with the reference sheet. PDF comparison thus provides an objective and easy to understand quality control from production start-up onwards.

- Plate or prepress errors are recognized immediately
- Automatic text check, also for foreign languages
- Specifications are adhered to e.g. for pharmaceutical package inserts (or folding cartons) through checking that every sheet is correct.

## Perfect interplay with the ROLAND InlineSorter

The ROLAND InlineSorter does away with time-consuming sorting out of waste sheets. The ROLAND InlineSorter diverts faulty sheets detected by the ROLAND InlineInspector 2.0 into a separate delivery fully automatically. This results in a perfect delivery stack without any waste sheets.

## Note

Retrofitting depends on the press series and needs to be checked in each individual case.