



PRODUCT: Auto Sheet Visual Inspection System

MODEL: RD-GS001



OVERVIEW

Like Plastic card maker those printing houses need a reliable post-press visual inspection solution to strengthen quality control and reduce the waste of downstream process consumables like inlay, chip and hologram. Saving labors on inspection and avoid any human mistakes.

Off-line scanner is only used for static printing quality check with low efficiency. Very few printing presses config with online visual inspection for N.G. sheets sorting. Print-rollers makes sheet uneven also challenges online inspection.

Market needs reliable & convenient auto sheet inspection system. Thanks advanced AI technologies, RD-GS001 aims to be **1st** choice for sheet printing quality online inspection!

The modular design of Sheet Feeding, Inspection, Rejection and Output makes machine running durable. It adapts the same vacuum feeding, input and output structures used in Heidelberg printing press, 8K DALSA line array camera and self-developed software to achieve accurate and fast inspection.

APPLICATION

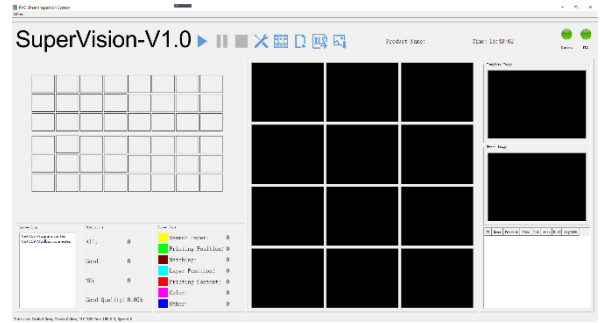
- Online Visual inspection for printed sheet QC
- Printing House, Plastic card/Banking Card/eID/SIM card Manufacturer, Security Printing Company

INSPECTION ITEMS

- Layout Error
- Bad Registration Printing
- Printing Error, Missing, Ink Cracking



- Chromatography, Chromatic Aberration
- Fiber, Scratches, Dirty, Finger Print...
- Pearly finish, Transparent Sheet (Optional)



ADVANTAGES

- Multiple layout compatible and easy switch
- Multiple sheet thickness and materials compatible
- No harmful feeding and collecting structure widely used in Heidelberg printer
- Quick template set-up time in 4 mins
- “SuperVision” Smart software ensures simple operation and easy training, displays defects position cumulatively to guide captain to improve printing result by fine tune adjustment.
- The defect type and quantity of each sheet are displayed, countable and traceable.
- All results recorded in log file and outputable for analysis

TECHNICAL SPEC

Model	RD-GS001
Output	• 1,900UPH above
Max. Inspection Width	• 500mm (can be customized)
Cards Feeding Capacity	• More than 2,000 sheets (0.15mm thickness)
Support	• Offset printing PVC/PET/ABS/PC sheet
Optical System	• 8192 Pixel Color DALSA Line Array Cameras
Landscape	• 540mm
General Defects Inspection Tolerance	• 0.067mm ² (Contrast<20 Grayscale)
Special Defects Inspection Tolerance	• 0.25mm ² (Contrast>10 Grayscale)
Size Inspection Tolerance	• 0.26mm*0.26mm (There must be a mark point in the field of view)
Optional	• Pearly finish, transparent sheet