# PERFECTO – METAL

### PRINT QUALITY

A 100% real time inspection system so powerful, so relentless in its defect detection, and so superior in its simplicity couldn't be called differently than Perfecto. Designed to be used on a printing press, Perfecto-Metal is dedicated to the inspection of offset decorated metal sheets.

### QUALITY IS EASY

Perfecto-Metal is easy to be integrated. It can be installed into any printing production line. Light and camera box can be designed to satisfy any integration needs.

Perfecto-Metal is easy to use: the setup of a new job can be done in less than one minute.

### BENEFITS

Perfecto-Metal guarantees a powerful combination of print quality and waste reduction.

Objectivity and accuracy of the control improves your print quality and it ensures a production without printing defects.

On line integration allows waste reduction and printing process optimization. Perfecto is able to prevent widespread failure and avert large quantities of waste.

The benefits result in cost reduction and improved process efficiency that drive profits up.

## Quality control for
## OFFSET PRINTED METAL SHEETS

### OPTIMIZED TECHNOLOGY FOR METAL SHEETS

Inspection of metal sheets requires special LED lighting. Thanks to this innovative illuminator it is possible to emphasize all printing defects without generating false defects due to a light reflection.

The non-uniform movement on the transport belt and the imprecise positioning of metal sheets during the inspection process are compensated by dedicated features and special algorithms.

DeCoSystem

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## TECHNICAL FEATURES

Perfecto has a very intuitive operator interface with a fast setup and a really powerful defect detection software.

**The standard features are:**

- Easy to learn and easy to use GUI interface
- Fast and automatic set up (new job can be started in a minute)
- Easily define different areas of job with different tolerance levels
- Simple software but extremely powerful and versatile
- Great reliability in the detection
- Connection to the flagger
- LED lighting system for a diffuse and uniform illumination
- L*a*b colour measurement function for colour monitoring
- PDF data import for die cut data
- Touch screen interface
- Full report and automatic storing of all production process data
- Different Login levels
- Quick zoom function
- Operating in Windows 7

## TECHNICAL DATA

|  | PERFECTO-4000 | PERFECTO-8000 |
|---|---|---|
| Print | Offset | Offset |
| Products | Metal sheets | Metal sheets |
| Max Field of view | 1000mm | 1400mm |
| Maximum sheet size | 70x100cm | 140-120cm |
| Camera resolution | Colour 4096 pixel | Colour 2x4096 pixel |
| Camera speed | 18 KHz | 18 KHz |
| Resolution | 0,25x0,25 mm | 0,17x0,17 mm |
| Max production speed | 7.000 sheets/hour | 6.000 sheets/hour |
| Typical defects | Lack or excess of print, blurs, smears, dirt, scratches, colour variation, register error, hickeyes, water and oil drop, splashes | Lack or excess of print, blurs, smears, dirt, scratches, colour variation, register error, hickeyes, water and oil drop, splashes |
| Min defect size | Ø 0,9mm | Ø 0,6mm |

*Technical data and system specifications refer to the state at the time of printing. We reserve the right to modify them in the interest of a continuous program of further development.*