

UPGRADES

# ColorPilot



Position of print control strip at leading or tail edge of sheet.



Any desired position of an end-to-end print control strip.

## For ROLAND 300 ■ 500 700 HiPrint ■ 900 ■ 900, XXL

**Precise color control für highes quality standards.**

### **Color control products for sheetfed offset printing**

The prerequisite of efficient production in printing is standardization of the processes. Standardization ensures trouble-free sequences of operation, improves effectiveness, and saves time and money. The manroland color measuring and control products are components of a comprehensive quality management system. They help to maintain standards at the press, to control with high precision and speed, to check and document.

With the upgrade of a color measuring and control system in your existing press you will improve the quality while producing economically and efficiently. You will realize consistent quality throughout the run and quickly achieve the targeted ink densities or colorimetric values in the makeready process.

### **Latest technology in the existing press**

Depending on the existing press equipment, we offer you the retrofitting of the complete system with ColorPilot or ColorPilot plus or the upgrading of your existing system by, for example, the colormetrics option or the okBalance® software for gray balance control.

### **ColorPilot or ColorPilot plus?**

The ColorPilot is compactly integrated in the color matching console and measures print control strips at the leading or tail edge of the sheet. The ColorPilot plus is so arranged on a separate measuring console that the measuring bar can be shifted in the Y-axis of the sheet. This allows positioning print control strips end-to-end in any desired position at a right angle to the printing direction – a particular advantage with perfecting jobs of books and brochures. ■ ■ ■

## Advantages

- Reproducible quality and stability in the production run
- Fast makeready
- Substantial savings in material and time
- Fast measuring with small measuring fields
- Precise regulation

## Upgrade options

### ■ ColorPilot D\*:

Measuring of densitometric values, position of print control strip at leading or tail edge of sheet

### ■ ColorPilot D + C\*:

Measuring of densitometric and colorimetric values, position of print control strip at leading or tail edge of the sheet. When printing short runs, the press operator quickly detects color fluctuations and therefore can keep within defined tolerances

### ■ ColorPilot plus D\*:

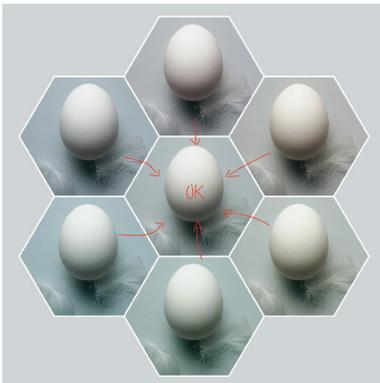
Measuring of densitometric values, any desired positioning of an end-to-end print control strip

### ■ ColorPilot plus D + C\*:

Measuring of densitometric and colorimetric values, any desired positioning of an end-to-end print control strip

### ■ okBalance®:

Gray balance regulation



Gray balance regulation with okBalance®

\* D – Densitometry, C – Colorimetry

## Options

**Colormetrics:** With the colormetrics function, special colors can be evaluated. ColorPilot offers the possibility to determine from the print control strip not only densitometric but also colorimetric measuring values for quality evaluation. The arrangement of the sensory system ensures standardized measuring in each case: densitometric measuring with polarizing filter, colorimetric measuring without polarizing filter in a single pass.

**okBalance®:** okBalance® lets you achieve maximum stability throughout the run. The software complements the proven full-tone control of the ColorPilot system by offering gray balance control in addition. The advantage: especially in the case of four-color images and tertiary hues, the human eye reacts more sensitively to fluctuations of the superimposed halftones than to fluctuations in solids. With okBalance®, this fact is utilized for control of the ink slides.

## Remarks

Retrofitting depends on the series of the existing press. Upgrades are also available for the predecessor product CCI (Computer Controlled Inking).

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