

UPGRADES

# ColorPilot



The ColorPilot ink measuring system can be perfectly integrated into the color inspection console.

## ROLAND 700 HiPrint: Color Reliability with a System

### Intelligent inking calls for intelligent components.

Ink control for sheetfed offset Efficient production in printing depends on standardization in all areas of the workflow. This means correct setting of the press for one thing. For another, standardization supports the determination of inking, substrates and inks as well as calibrating the systems to the standards of the production run in question. That avoids misunderstandings, improves the efficiency, saving time and money. manroland ink measuring and control products are components of an all-encompassing quality management system. They help to control keeping to the standards at the press with high precision and speed, to check and document the process. They increase the effectiveness and efficiency of the high-performance presses with a precision never reached before.

### ColorPilot highlights

Derived from the advanced development of the proven CCI technology, the ColorPilot generation offers printers important advantages:

- Reproducible and plannable quality
- Reduced makeready times, fewer makeready steps
- Substantial savings in time and material
- Objective and quick detection of color deviations and printing troubles
- Quick achievement of the required printing standards or OK sheets
- Documentation of standards maintained or proof of quality by ability to remeasure
- Fewer complaints by customers
- Fast determination of measuring values from the print control strips

### Space-saving integration

In upgrading, the ColorPilot measuring and control system is integrated into the color inspection console in a space-saving way. The system measures print control strips at image start or rear edge of the sheet at the high speed of 25 centimeters per second. A trend display helps the press operator determine if the necessary stability in the inking and dampening units has been achieved and successful control of the ink slides can be initiated. All quality measurements are documented and are thus available for analysis or proof of quality. ■■

## Advantages

### Reproducible quality:

The measuring devices measure the inks objectively for consistent high quality in printing, which can be reproduced as and when required

### Short makeready times:

By agreeing a job according to printing standards or OK sheets of a prerun, you realize considerably shorter makeready times. That saves material and valuable press time

### Best printing quality:

During the production of short runs, the press operator will quickly notice fluctuations in inking, and can therefore keep within the defined tolerances

### Documented quality assurance:

Important for internal evaluations or as proof to customers, reducing customer complaints

### Speed:

Complete measuring of a 1-metre-wide sheet takes less than 14 seconds. Correction of the ink slides is effected within 4 seconds because all inking units are controlled simultaneously



## Options

The colorimetry function enables evaluation of special colors. ColorPilot offers the possibility of determining from the print control strip not only densitometric but also colorimetric measuring values for quality evaluation. The arrangement of the sensory system ensures that each measurement is performed to standard: densitometric measuring with polarizing filter, colorimetric measuring without polarizing filter in one measuring pass

Greater flexibility in positioning the print control strip is offered by ColorPilot plus. With ColorPilot plus, the technology of the ColorPilot is so arranged on the measuring console that the measuring bar can be adjusted over the length of the press sheet. This allows placing a full-width control strip in any desired position of the sheet. ColorPilot plus is a development on the basis of the ColorPilot system

## Remarks

Upgrading of a local ColorPilot measuring system on the ROLAND 700 HiPrint requires the existence of a „Generation 2004“ control console. The possibility to retrofit depends on the series of the press concerned and therefore this must be checked in each case