

Don't guess,  
measure!



## **THETA SYSTEM presents the cost-effective offline system for color and density control, defect detection and register control.**

**scanCon is an easy-to-use printing control system with high measuring speed and maximum measuring accuracy.**

### **scanCon**

**THETA SYSTEM** focuses its development and its job structures consistently on the need for ongoing innovation. All our activities throughout research and advanced development, for example, are oriented towards strategic innovation areas. However, not every new idea in printing control system production is a genuine innovation in the eyes of **THETA SYSTEM**. We only acknowledge products or components as real innovations if they offer the customer significantly additional benefits. We think there must be a direct connection between the innovation process and the benefits that result.

**scanCon** is a very cost-efficient alternative or an add-on solution to our inline printing control systems (e.g. the powerful and brand-new dualView and superView). It is really simple: take a sheet out of the press and scan the sample with **scanCon**. In connection with our various software modules there are many possibilities of perfect quality control: control color, density, registers and detect defects or even barcodes. This offline system is available in DIN A4 up to DIN A0 format providing a very flexible and wide-ranged press application. If you are looking for an easy-to-use and cost-effective printing control system for your printing office, **scanCon** is the product to buy!

## Scan Better. See More.

### The cost-effective system with maximum performance.

#### Range of Application

**scanCon** is applicable in many areas of a printing plant. On the one hand, it can be applied in print offices during production runs for immediate and accurate print quality control. On the other hand, it can be used as a very powerful quality inspection system for customers' complaints.

Just let the **scanCon** work for you. All you have to do is to scan the sample! The other actions are performed automatically for maximum user comfort.

#### High-Speed and High-Resolution Scanning

A color control stripe is scanned in only 1 second. An A4 sheet is scanned completely in only 8 seconds with a high resolution of 200dpi. A scanning resolution of up to 3200dpi is possible allowing defect detection with 8 µm resolution.

#### In-picture Color and Density Control

The measurement of color and density can be done from the entire sample or special defined measuring fields like control stripes or important logo details. After high-speed scanning the current sample is compared to a previously defined masterscan. This provides absolutely reliable color and density values. To get these accurate values, **scanCon** is delivered with an absolute calibration of color values and color density values.

#### Defect Detection and Color Register Control

The system allows you fast color register measurement and the detection of all typical printing defects. With a scanning resolution of up to 3200dpi it is possible to detect defects down to a size of 8 µm. If you compare this to an average diameter of a human hair of about 70 µm, this is even more impressive.

#### Portable system

Unlike most printing control systems, **scanCon** is easily portable, if it is used with a notebook or a tablet PC. The very compact dimensions and the low weight allow an application at any press in your print office.

#### Documentation, Quality Control

Secure your printing quality with our system. Customers with complaints will easily be satisfied if confronted with your inspection reports.

#### Advantages

- + 100% quality control
- + High scan speed
- + High resolution for detecting even smallest defects
- + Easy-to-use and simple to install
- + Compact, portable system
- + Compatible to all our software modules
- + Accurate print quality control
- + Enhanced productivity + print quality
- + Automatic documentation
- + Storage of configurations for repeat jobs
- + Increase of economic efficiency by cost and time saving
- + Cost-effective with a fast system amortisation

#### THETA SYSTEM Elektronik GmbH

Rathausstr. 13 D-82194 Gröbenzell near Munich

Tel. +49 (0)8142 – 46780

Fax +49 (0)8142 – 467890

info@theta-system.de www.theta-system.com

To learn more about solutions  
from THETA SYSTEM visit  
[www.theta-system.com](http://www.theta-system.com)

**dual View** - for Web Inspection  
**superView** - for High-End Web Inspection  
**regiCon** - for Color Register Measurement

**defectCon** - for Automatic Defect Detection  
**deCon** - for Inline Color Density Measurement  
**spectraCon** - for Inline Spectral Measurement