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## Prinect Image Control – Overview

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### Prinect Image Control



#### **Determining Color Deviations in the Image and Transferring Them Online to the Press**

The trend for higher quality print products is continuing unabated. Prinect Image Control is the easy way to keep pace with this development. Prinect Image Control is a color measuring system for monitoring quality outside the press. It is the only system in the world to measure the whole print image spectrophotometrically. Measuring in the image means color control strips are no longer needed.

Prinect Image Control determines the deviations from the predefined reference values and automatically tells the operator what adjustments are needed. These adjustments are approved and sent online to the press, which then regulates the ink zones in all the printing units simultaneously. Prinect Image Control reliably monitors quality, making it easier for print shops to maintain the same high quality standards throughout the job.

# Prinect Image Control

## ***At a Glance***

- Spectrophotometric measurement of the whole print sheet
- Online regulation of ink zones in all printing units
- Operation via touchscreen color display
- Supports multiple connectivity for up to four presses
- Integrated color printer for order logs
- Modules for customized requirements

## Prinect Image Control



[Details](#)

***Determines Color  
Deviations in the  
Image and Transfers  
These Online to the  
Press***

Prinect Image Control is a color measuring system for monitoring quality outside the press. It measures the whole print image spectrophotometrically and simultaneously regulates all printing units online. It is straightforward and convenient to operate using a touchscreen color display. A measuring bar scans the whole print image. This breaks down a 70x100 centimeter print sheet into more than 160,000 measuring points. Each of these individual points is then compared with the corresponding point on the OK sheet. Based on the deviations determined, the operator is automatically told what adjustments to make. These are then transferred online to the press, which then regulates the ink zones in the printing units. Up to four presses can be connected to Prinect Image Control.

## Prinect Image Control



[Details](#)

### ***Separation Data from the Digital Prepress***

The Preset Link module adopts from Prinect Prepress Interface image information from the

digital prepress. From the 160,000 pixels on a 70x100 centimeter sheet, Prinect Image Control then calculates a digital reference sheet. This data is automatically defined as target values and can be used for make-ready and production. In addition to separation data, print image preview data (thumbnails) is also transferred and displayed in the selection process. This thumbnail function is also available on the Prinect CP2000 Center and enables end-to-end visualization of the print sheet and rapid identification of jobs.



[Details](#)

### ***Simple Generation of Data for Process Calibration and Profiling***

This module has been

designed for all print shops employing color management. The Color Interface module is a software package used for calculating and supplying colorimetric information and quality parameters. The data required for profiling and calibrating the workflow can be calculated using the specially developed test form supplied. As well as many details on the visual evaluation, the test form also contains all the necessary measuring fields specified in the ICC guidelines for generating profile data. The data can then be passed to the Prinect Profile Toolbox and the Prinect Calibration Toolbox for creating profiles and characteristic curves. Color Interface therefore makes an important contribution to color fidelity in the workflow.

### ***Technical Monitoring and Analysis of Prinect Image Control via Modem***

Prinect Image Control can be connected with the service and diagnosis system of the Heidelberg SSU using Remote Service. The Heidelberg SSU can then carry out technical monitoring and analysis of Prinect Image Control if required. The Remote Service function is included as standard in the color measuring system functions.