Proofing without paper

EAE
www.eae.com

Once, the efforts and costs associated with classic hard proof solutions, restricted proofing for only a few selected pages with color-sensitive ads. EAE Softproof now offers an on-screen print display: color-accurate, anytime and for any page, with no deviations from the production data. EAE Softproof can be installed on systems from any suppliers.

Color fidelity in all page formats

EAE's workflow module Softproof is a standard electronic replacement for time-consuming and expensive hard proofs. It is used to check the content and color adjustment of a print product on a monitor during production.

The display of the print product on a calibrated proof monitor is based on ICC (International Color Consortium) profiles. This means that the paper properties of the current production are simulated on the monitor, enabling a color-accurate display of the printed pages.

At the control console the soft proof is visualized on a separate, vertically aligned monitor, corresponding to the alignment of a broadsheet page. Other standard newspaper formats and paired tabloid pages, double truck pages etc. can also be visualized.

Defined lighting

Since the color impression is strongly dependent on ambient light, the lighting at the control console plays a significant

Your Benefits:

- Optimization of the time needed for plate making
- Cost reduction for paper and ink consumption
- Faster and better fault detection
- Less waste
- Cost reduction for hard proofs

role in the evaluation of the color quality. Uniform, defined lighting conditions are achieved by installing an adjustable daylight simulating lamp above the control console (color temperature 5000 K based on ISO 3664, standard illuminant D50).

The proof monitor is measured with a measuring device in order to adjust the brightness of the lighting of the control console to that of the monitor. In order to offset changes in lighting conditions, e.g. due to fatigue of the monitor and fluorescent tubes, the lighting is adjusted at regular intervals. The standard illumination lamp is set by the control console via a USB interface and does not require a great deal of effort.

Simple, intuitive page selection

Pages can be selected on the proof monitor in two different ways:

- by selecting them directly with a trackball in the imposition scheme of the ink/water mask of the control console.

- via an automatic page selection function based on the page numbers of the print product.

Every page selected in the ink/water mask is automatically displayed on the soft proof monitor on the control console.

In both cases the page is visualized as a composite image. For a more detailed check, the display can be broken down into the individual CMYK color separations.

Another option is to visualize the pages on the proof monitor as so-called thumbnails. This provides a more comprehensive overview of the produced pages if necessary.

Data basis

EAE Softproof is based on the production files from the publishing house in TIFF G4 format. The files are transferred to the server for production planning/ink presetting and to a separate proof server as well.

Additional features of EAE Softproof:

- EAE Softproof is a stand-alone system that can also be integrated as a workflow component in EAE's production planning and presetting solution EAE Print.

- EAE Softproof can be installed on any system. It must be able to access TIFF G4 files that are used for the production of printing forms.

- EAE Softproof clients can be used both as stand-alone clients or as an add-on at the control console. The page selected in the ink/water mask is automatically visualized on the EAE Control Console. The interface used for automatic page selection is EAE Standard and can also be used on other control consoles.

- EAE Softproof also visualizes referenced and/or common pages. EAE Softproof requires the installation of EAE's Print module.

- EAE Softproof runs on Windows.

- EAE Softproof has a release function to ensure that only checked pages are released for production.

- EAE Softproof clients are web-enabled.

L*a*b*- Values Control patches **Comparison of L*a*b*- values** **Measurement on the monitor: L*a*b*- Values Control patches**

PDF → RIP → TIFF → Proof-Server → Proof-Client