

# Print Control Wizard

What's New in Version 20.0

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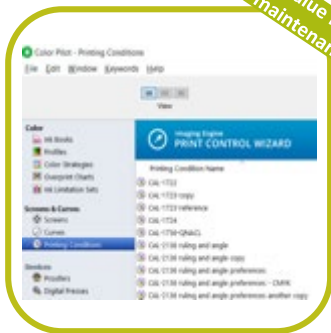
**Product Manager Flexo Software**

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# Print Control Wizard 20.0 What's New

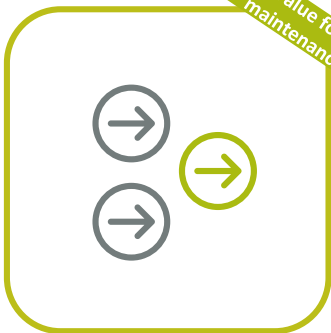
## User Interface



Value for maintenance

- Colour Engine Pilot is the interface
- New screens and curves view

## New implementation process



Value for maintenance

- Move from two press runs to one to create screens and curves
- New 4 colour test chart
- Produce your own fingerprint charts
- Fast scan mode for min dot calibration

## Platemaking Wizard



Value for maintenance

- Pixel+ set up per plate type or printing environment
- Non-Pixel+ process

## Printing Wizard



Value for maintenance

- Step by step process wizard
- New Standard Operating Procedures to assist with quality control
- G7 support



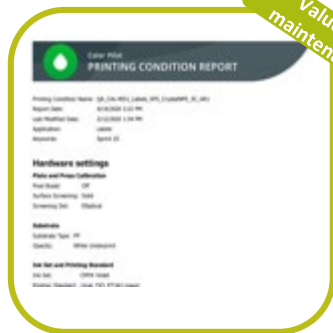


## Print Control Wizard 20.0 What's New

### Reporting

One button reporting on the fingerprint

Value for maintenance



- Fully automated
- Customizable

### UV Flexo

Screens and process for UV Flexo

New Module



- Simplified Print Control Wizard for UV Flexo
- UV Flexo crystal Screens

### White Ink Wizard

For flexible packaging

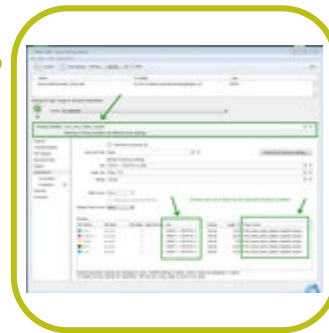
Value for maintenance



- New White Crystal screens specifically for Flex Pkg white ink

### Printing Condition

Package of data used in Imaging Engine



- Automated creation of data required for flexo plate optimization: *DGC, Screen, Min Dot Size, Bump Up, Transition Point, Dot Clean Up*
- Easy to set up a new Imaging Engine ticket

# Print Control Wizard 20.0: Overview of the new user interface





## Print Control Wizard 20.0: New implementation process





# Print Control Wizard 20.0: Platemaking Wizard





# Print Control Wizard 20.0: Reporting





# Customise your reports

The screenshot displays the ESKO software interface. On the left, a sidebar contains a tree view with categories: Color, Screens and Curves, and Devices. Under 'Color', 'Printing Conditions' is highlighted with a blue bar and a black arrow pointing to it. The main area shows the 'Printing Conditions' settings for 'SpecialtyConverting\_ReverseWithWhite'. A message states: 'This printing condition is not set up yet. Add some general information about your printing condition.' Below this is a list of settings: General, Plate and Press Calibration, White, Substrate, Ink Set and Printing Standard, Plate Making, Press, and Screens and Curves. A 'Save Report' dialog box is open in the foreground. It has a title bar with a green icon and a close button. The dialog contains the following fields and options:

- Save to Folder:** C:/Users/rbru/Desktop
- File Name:** Mark\_1\_Report.pdf (with a 'Browse...' button)
- Banner:** A preview of a banner with the ESKO logo and the text 'Color Pilot PRINTING CONDITION REPORT'. A 'Browse...' button is highlighted with a green box. A 'Reset' button is also present.
- Description:** A text box with the placeholder 'Enter your description'.
- Include:** A section with checkboxes:
  - ☒ Hardware settings
  - ☒ Screens and adjustment curves
  - ☒ Adjustment curves preview
  - ☐ Gamut outline
  - ☐ Comparison of gamut outline with printing standard
  - ☐ Solid densities
  - ☐ Comparison of solid densities with printing standard
- Buttons:** 'Save' and 'Cancel' at the bottom right.

At the bottom of the main window, there is a 'Revert' button and a 'Save Report...' button. The status bar at the very bottom shows 'Database: Server (ESKW180126)' and 'X-Rite i130 (M0)'.

# Customise your reports

The screenshot shows the ESKO Print Control Wizard 20.0 interface. On the left, a sidebar contains a tree view with categories: Color (Ink Books, Profiles, Color Strategies, Overprint Charts, Ink Limitation Sets), Screens and Curves (Screens, Curves, **Printing Conditions**), and Devices (Proofers, Digital Presses). A large black arrow points to the 'Printing Conditions' item. The main area displays the 'Printing Conditions' settings for 'SpecialtyConverting\_ReverseWithWhite'. A message states: 'This printing condition is not set up yet. Add some general information about your printing condition.' Below this is a list of settings: General, Plate and Press Calibration, White, Substrate, Ink Set and Printing Standard, Plate Making, Press, and Screens and Curves. A 'Save Report' dialog box is open, showing the save location as 'C:/Users/rbru/Desktop', the file name 'Banner.pdf', and a warning that a file with this name already exists. The dialog also includes a banner image placeholder labeled 'Print Control Wizard 20.0', a description field, and a list of checkboxes for including various report elements like hardware settings, adjustment curves, and gamut outlines.

1 click customized reports

Saves hours reporting out on your fingerprint

Used by tradeshops to establish targets

Used by printers on press as a reference guide

# Print Control Wizard 20.0: UV Flexo

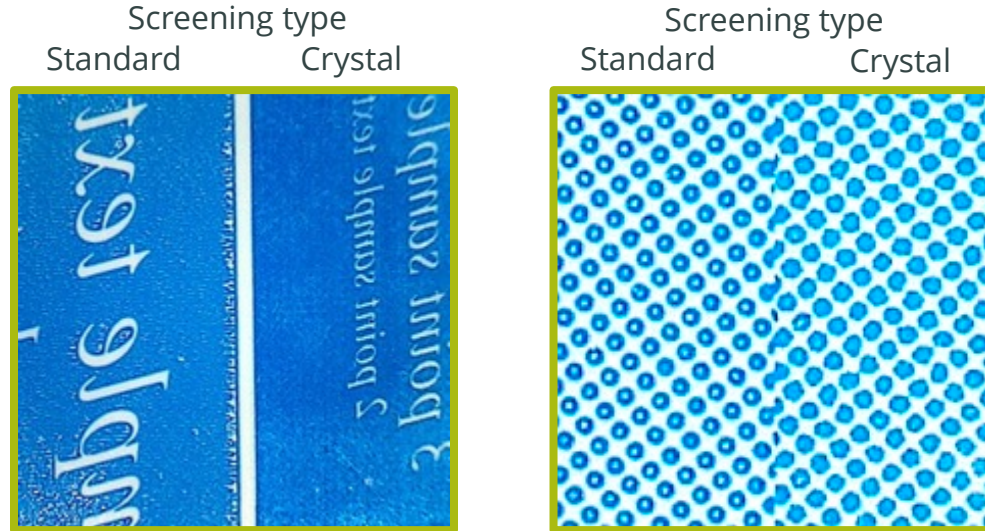




## UV Flexo

- Same process driven user interface is used for both Flexible Pkg & UV Flexo
- Custom screens for UV Flexo
- Support for both Pixel+ & Non Pixel+ CDIs

## Impact on press

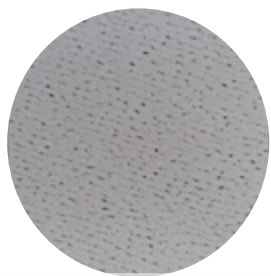


From research we see a positive impact when using surface screen on non-porous substrates. The type of surface screen can be different depending on the press/print configuration

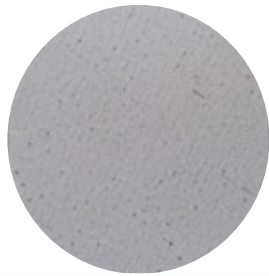
## Print Control Wizard 20.0: White Ink







40% white ink  
opacity



50% white ink  
opacity



60% white ink  
opacity

## White Ink Wizard: Why?

- White is the most common ink used in flexible pkg & therefore has the highest cost
- Controlling your white ink can:
  - Save ink.
  - Improve Print Quality. Image reproduction enhanced

14cm <sup>3</sup> /m <sup>2</sup> anilox	12cm <sup>3</sup> /m <sup>2</sup> anilox
57% opacity	57% opacity
High mottle	No mottle
3.2g/m <sup>2</sup> ink weight	2.8g/m <sup>2</sup> ink weight
	
Impact	Impact
High opacity	High opacity
Lower print quality	Higher print quality
High ink cost	10% reduction ink cost

## Evaluating White Ink

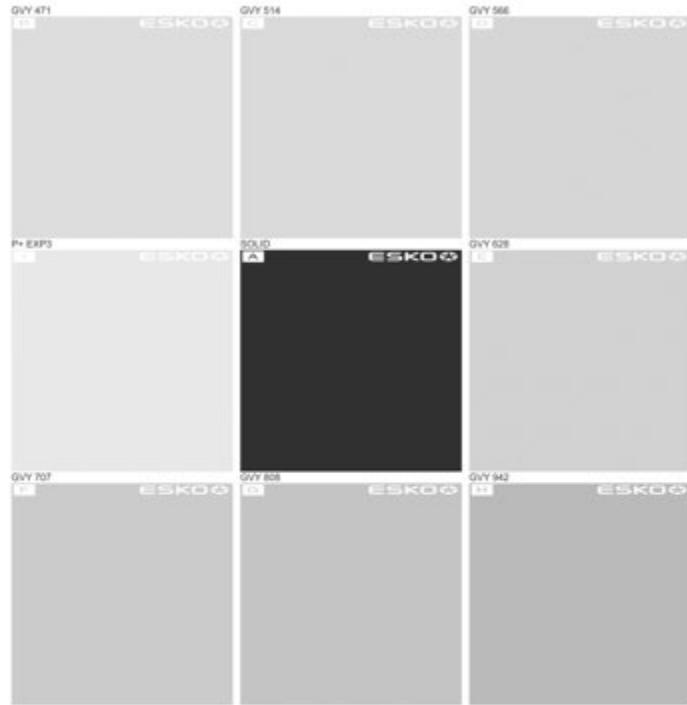
There are 3 pillars to optimise white ink

1. **Opacity.** Is the standard metric for measuring white ink
2. **Mottle.** You need to remove pinholes from your white for good image reproduction and ink laydown
3. **Ink weight.** Reduce ink weight means lower white ink consumption & costs



## Printing Condition Wizard - White

Select white screen for optimal opacity and least pinholing



Customer:	Date:	Plate:
Press:	Running speed:	Anilox specification:
Ink Type/Vendor:	Ink viscosity:	Solid density:
Comment:		

**ESKO**

- Please complete the information sheet -

## White Ink Wizard

- Crystal White screens which can be used for heavy anilox applications
- Designed for Flexible Packaging solvent-based inks
- Both Polyurethane (PU) and Nitro-cellulose (NC) inks supported
- Simple to use and implement with Print Control Wizard

Patent 63/035,303



ESKO\*