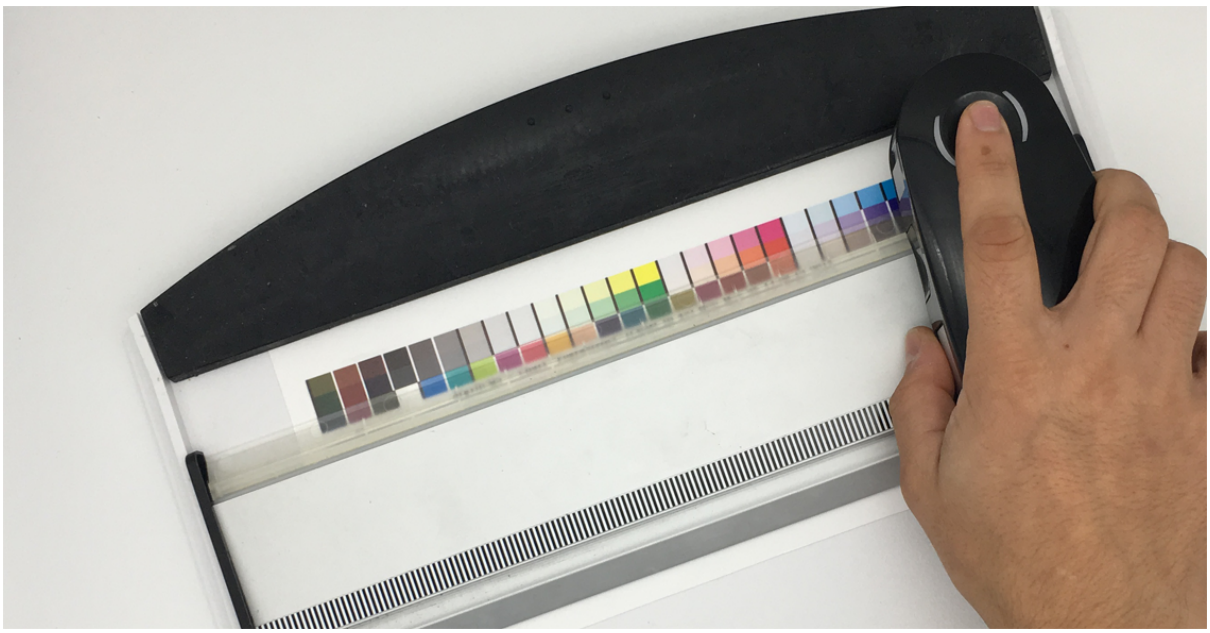
Print Control - Introduction

Quality control is obviously essential to guarantee your customers the regularity and reliability of your proofs and your print production.

The printing controls are carried out using charts, standardized control ranges or personalized in CMYK, RGB or spot colors mode.

The standardized control ranges are published by professional organizations such as IDEAlliance, Ugra, Fogra, ECI and BvDM or provided by software publishers, such as EFI, GMG, etc. They are sometimes free but the more often paying (La Fogra for example).
These are mainly used in the field of Graphic Arts to control proofs printed according to ISO 12647-x standards.



The Print Control module

The aim of this module is to:

- Control CMYK BATs (Good To Draw) in the field of Graphic Arts, in order to validate compliance with reference standards FOGRA, UGRA, IDEAlliance, etc ...
- Control stability of your printer to avoid unpleasant surprises when printing. (RGB or CMYK)
- Check the quality after a calibration operation. (RGB or CMYK)
- Control the uniformity of prints between several printers (RGB or CMYK)
- Control the reproduction of your spot colors (PANTONE color charts, vinyl color charts, etc.)
- Control the test charts that will be used for the characterization of your offset or digital presses (RGB or CMYK)

- etc ...

The first step is to create the reference range

To generate your chart you can choose between creating a chart in RGB, CMYK or done with spot colors.

This module will allow you to create control ranges from colors coming from:

- A range of controls to Graphic Arts standards, to verify compliance with the standards of your BAT proofs

> For more information, see the chapter: Creating a reference for proofing

- A measurement carried out on a reference print, to monitor the stability of a printer for example.

> For more information, see the chapter: Creating a reference from a printed range

- A standard range, to carry out a more precise control or to control the ranges intended to be averaged to characterize production presses for example

> For more information, see the chapter: Creating a reference from a printed chart

- A color chart of direct colors, to control the reproducibility of the colors of your PANTONE color charts for example.

> For more information, see the chapter: Creating a reference from a spot color chart

- A color table, to customize and choose the colors you want to control

> For more information, see the chapter: Create a reference from a custom RGB or CMYK color table

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The second step is to measure the range generated previously

The results of this measurement can be used to validate the printed result using standardized or personalized tolerance values.

This module is used to measure and validate standardized CMYK ranges, RGB ranges and IT8 test charts, and all other test charts produced from Coraye's reference creation module.

Each control measurement will be added to the reference file in order to keep a history of the measurements made to monitor the drifts of your printer.
This module can be very useful to decide if you need to redo a new calibration (for example: if you change the paper emulsion that you are accustomed to using) or to help you make a technical diagnosis in the event of a problem. with your printer.
So you can guarantee your customers the regularity of your impressions.

To find out more, see chapter: Controlling a CMYK Mediawedge range

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The different types of ranges that can be used with Print Control:

1) Standard CMYK ranges to control proofs in the field of graphic arts

Coraye offers four types of ranges as standard:



Mediawedge 72 patches Fogra



IDEAlliance 84 patches

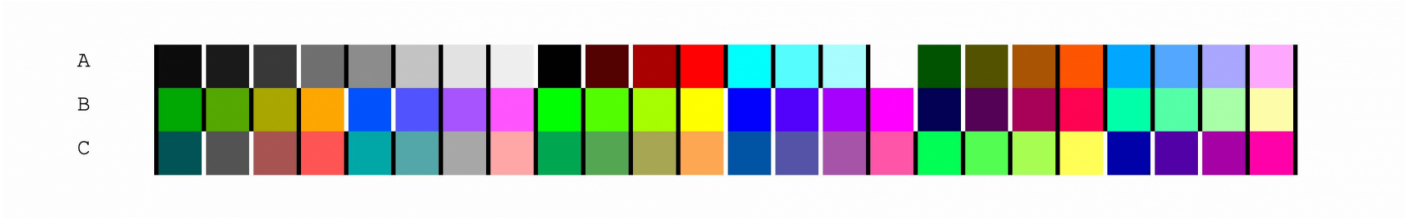


Mediawedge 46 patches Fogra



IDEAlliance 54 patches

2) RGB ranges to control the stability and neutrality of your prints



Mediawedge RGB



Mediawedge Gray RGB

3) The test charts offered as standard in the profiling module for more precise control of your prints.

- ECI2002 CMYK (1539 patches)
- ECI2002R CMYK (1485 patches)
- IT8.7-3 CMYK (928 patches)
- IT8.7-4 CMYK (1617 patches)
- TC 3.5 CMYK (432 patches)
- TC918 RGB (918 patches)
- TC2.83 RGB (294 patches)
- etc ...

4) The test charts generated from the spot color tables in order to check the accuracy when reproducing your PANTONES or your other color charts.

> Spot color control requires the use of a RIP that supports spot color management such as PANTONEs.
> If you use custom spot colors, you must first add the colors you want to check and control, in the RIP color chart.

5) Personalized test charts created from Coraye color tables

> For more information, see the chapter: Create a reference from a custom RGB or CMYK color table

6) The RGB or CMYK test charts imported in CGATS, IT8, cxf, etc ... formats, for example from the RIPs which control your printers.

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